

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

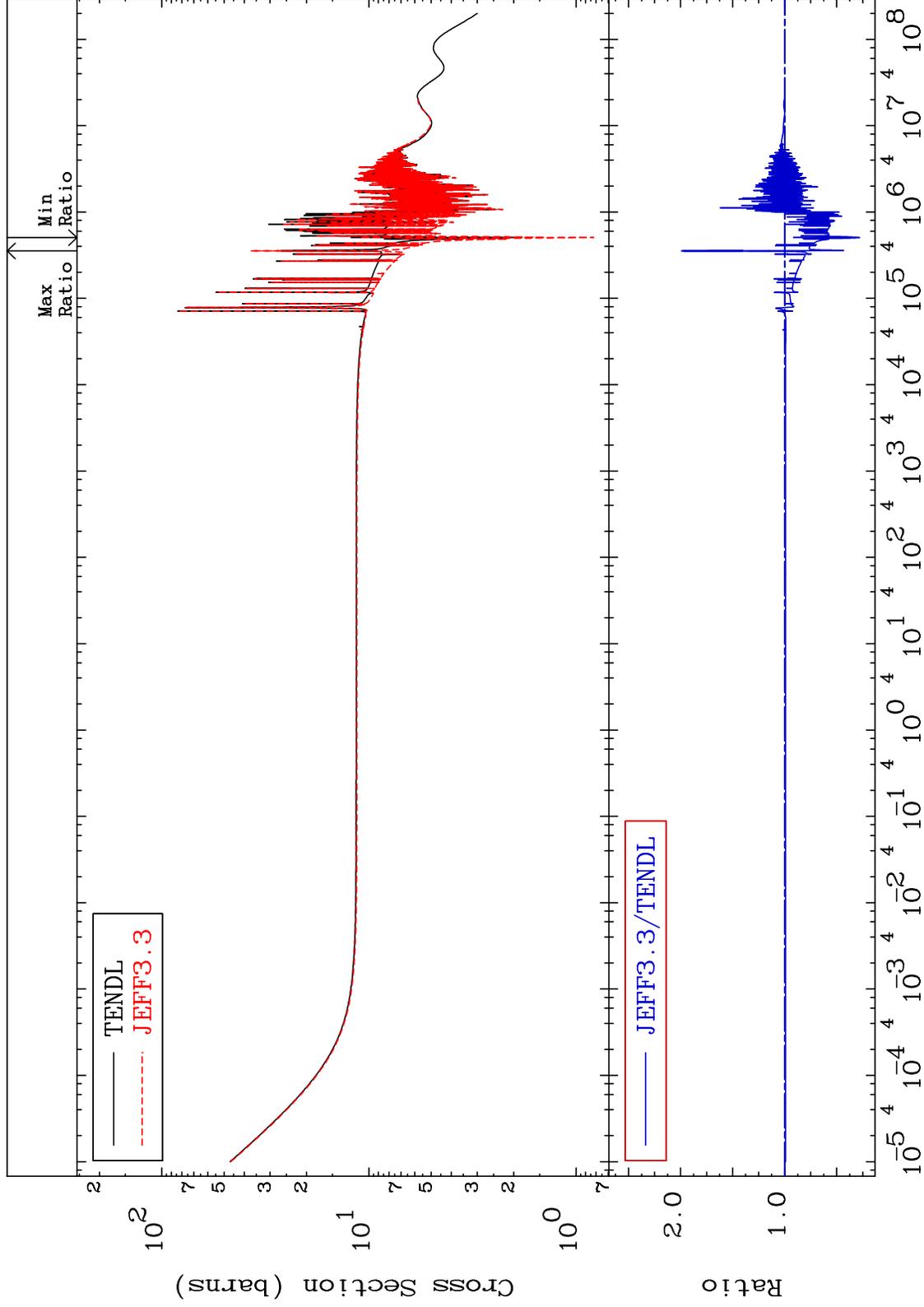
MAT 8237

Total

82-Pb-208

Cross Section

-72.21 To 99.37 %



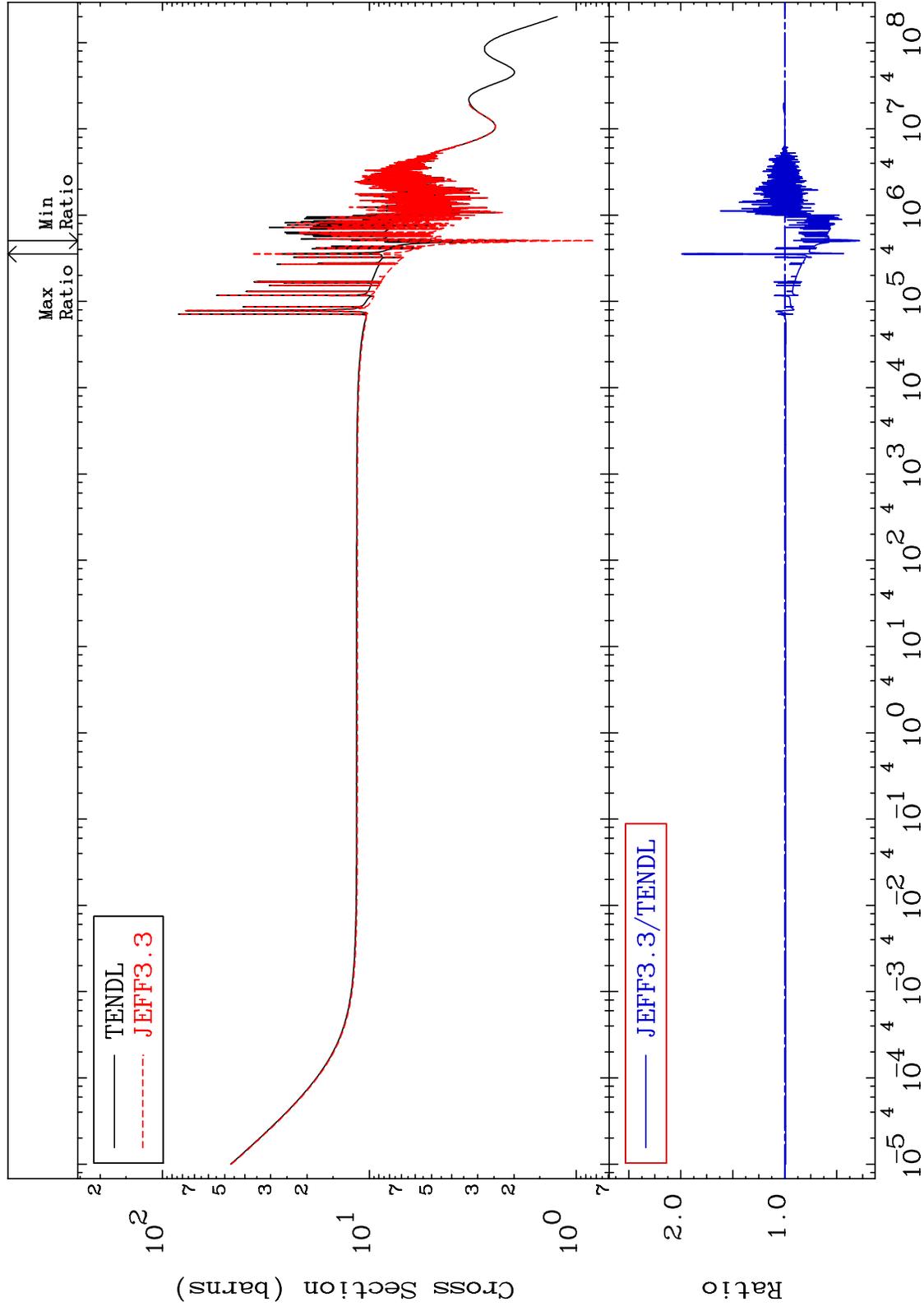
Incident Energy (eV)

82-Pb-208

MAT 8237

Elastic
Cross Section

82-Pb-208
-72.22 To 99.37 %



2

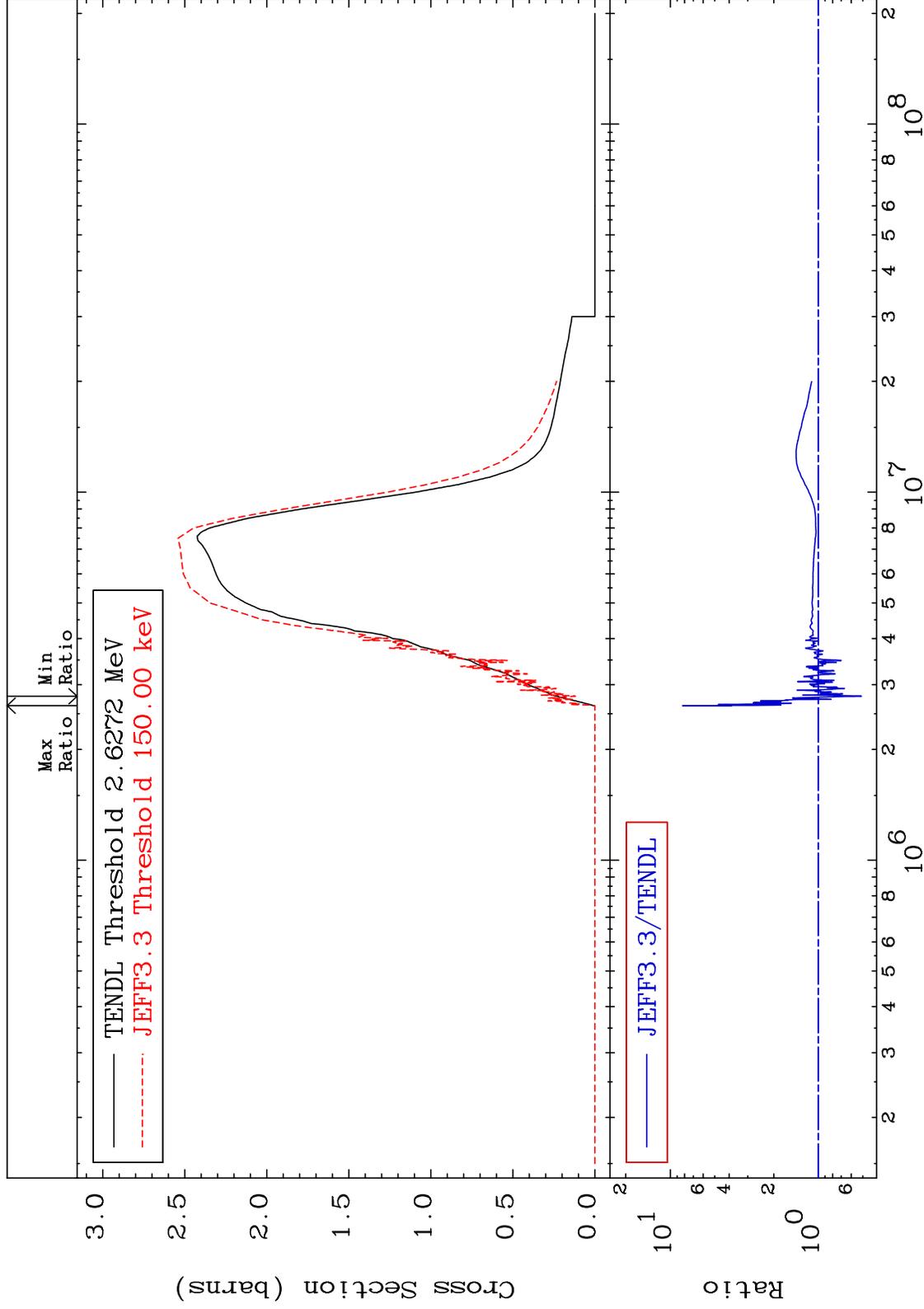
Incident Energy (eV)

82-Pb-208

MAT 8237

Inelastic
Cross Section

82-Pb-208
-48.82 To 727.8 %



3

Incident Energy (eV)

82-Pb-208

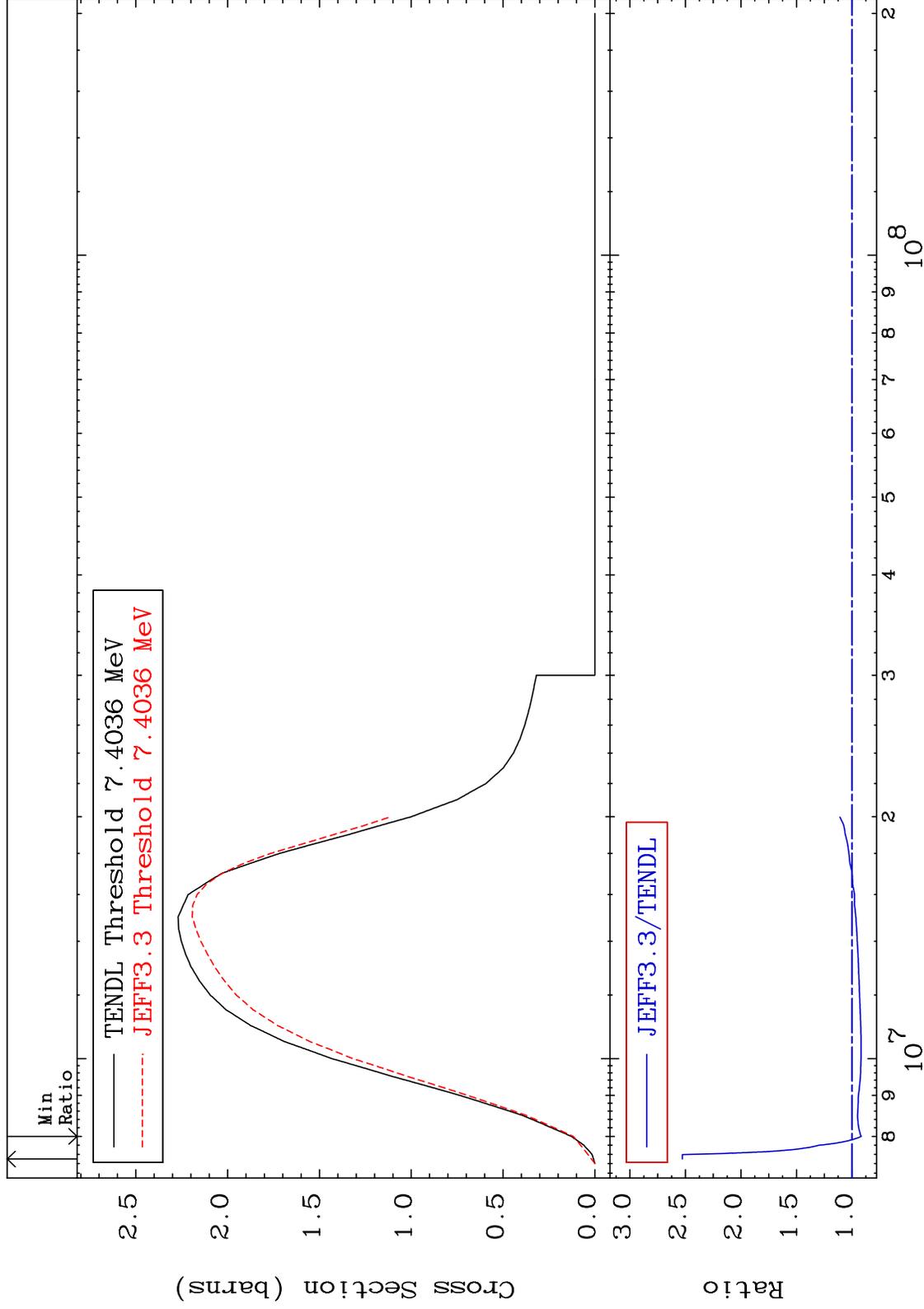
MAT 8237

(n,2n)

82-Pb-208

Cross Section

-8.389 To 152.7 %



4

Incident Energy (eV)

82-Pb-208

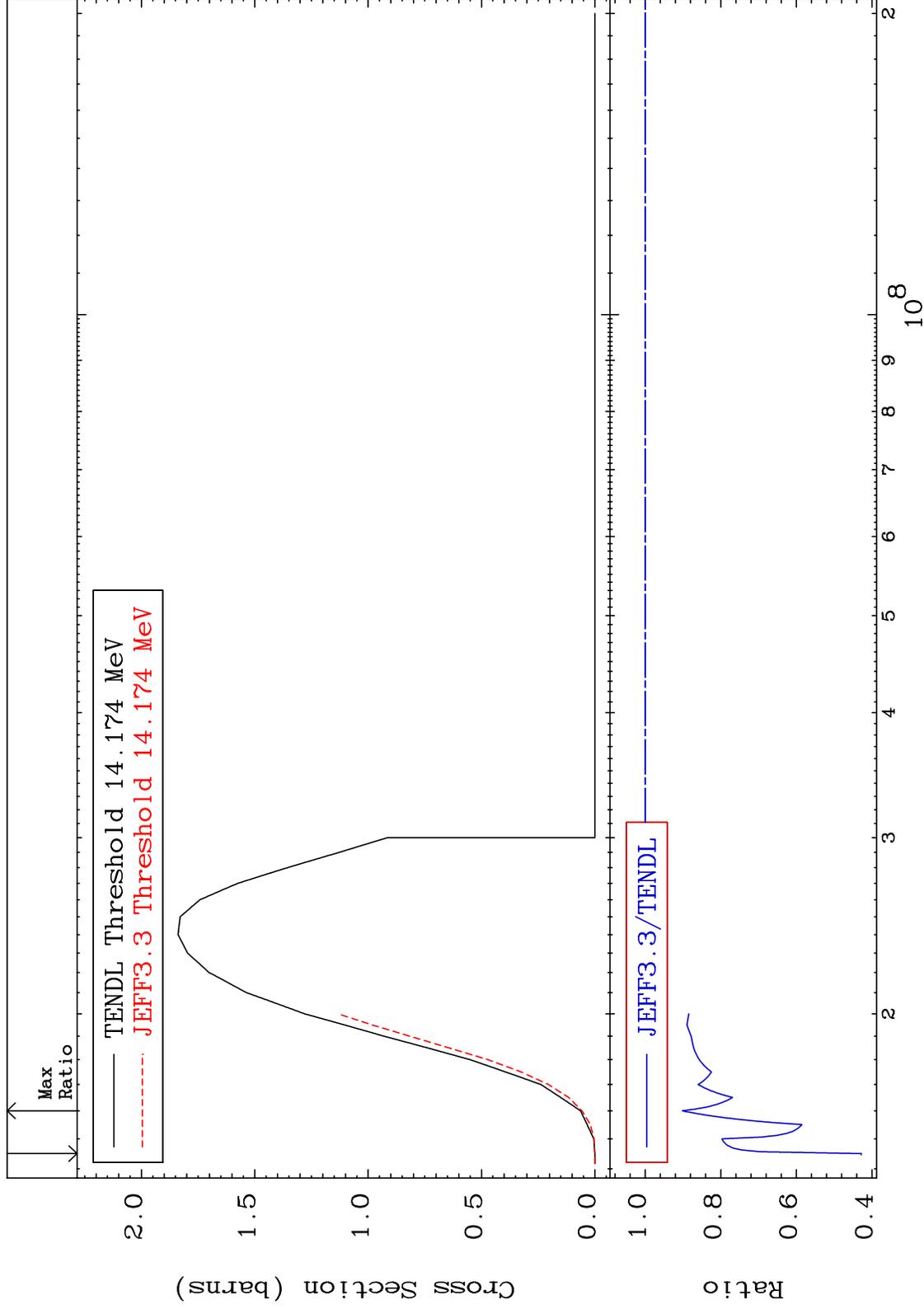
MAT 8237

(n,3n)

82-Pb-208

Cross Section

-57.20 To -9.857%



5

Incident Energy (eV)

82-Pb-208

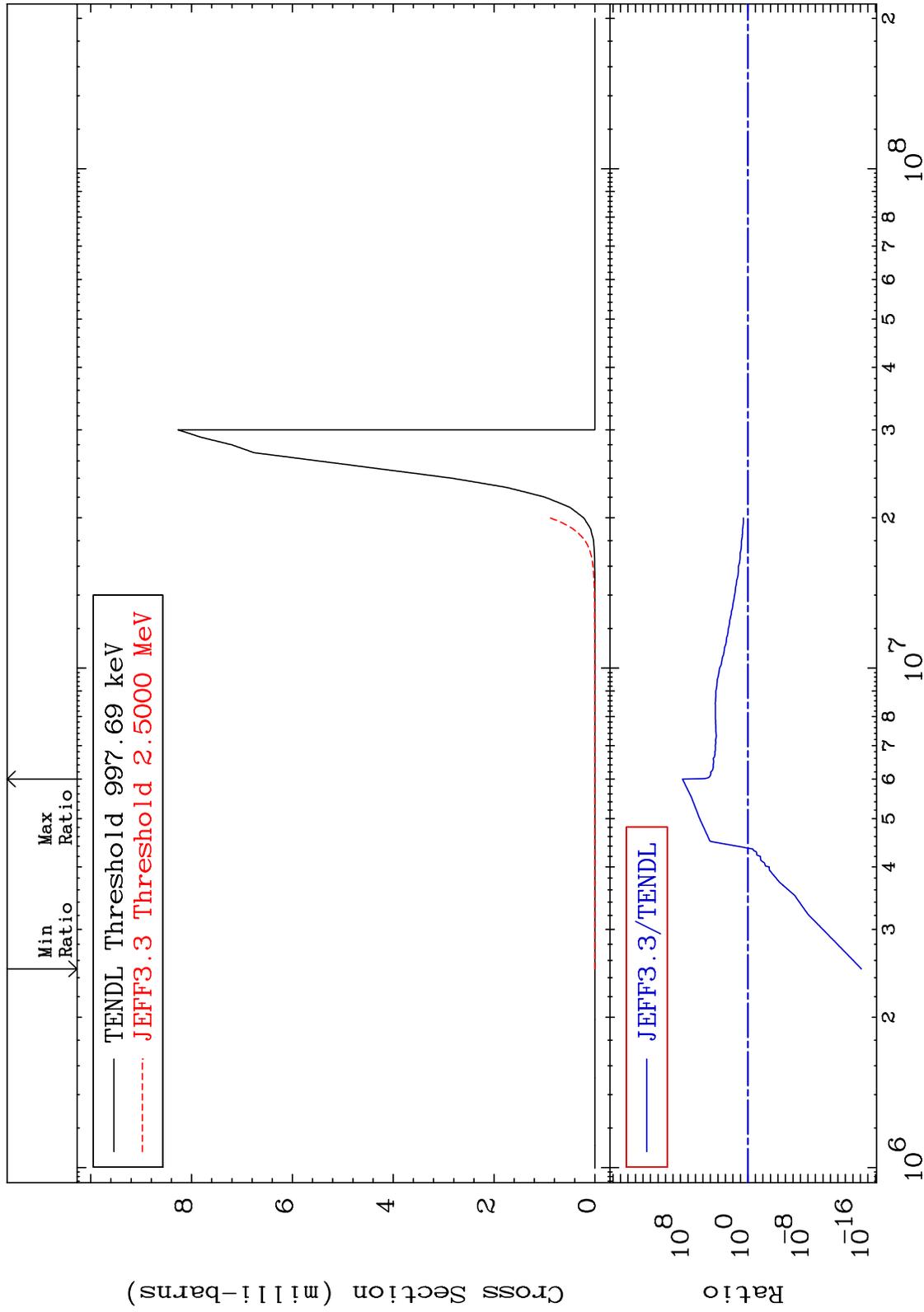
MAT 8237

(n,n') α

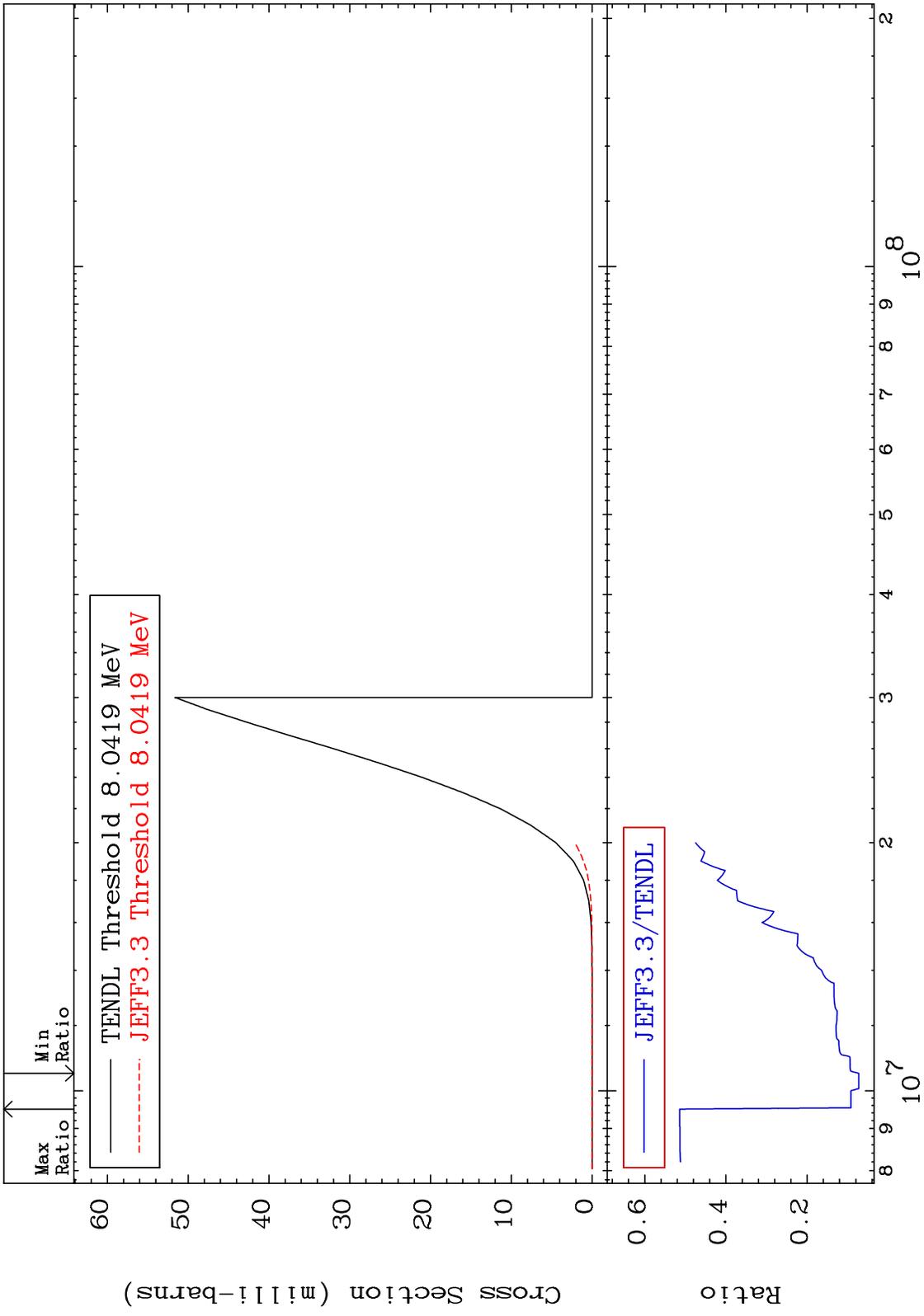
82-Pb-208

-100.0 To 9999. %

Cross Section



MAT 8237 (n,n') p 82-Pb-208 -92.73 To -48.62%
Cross Section

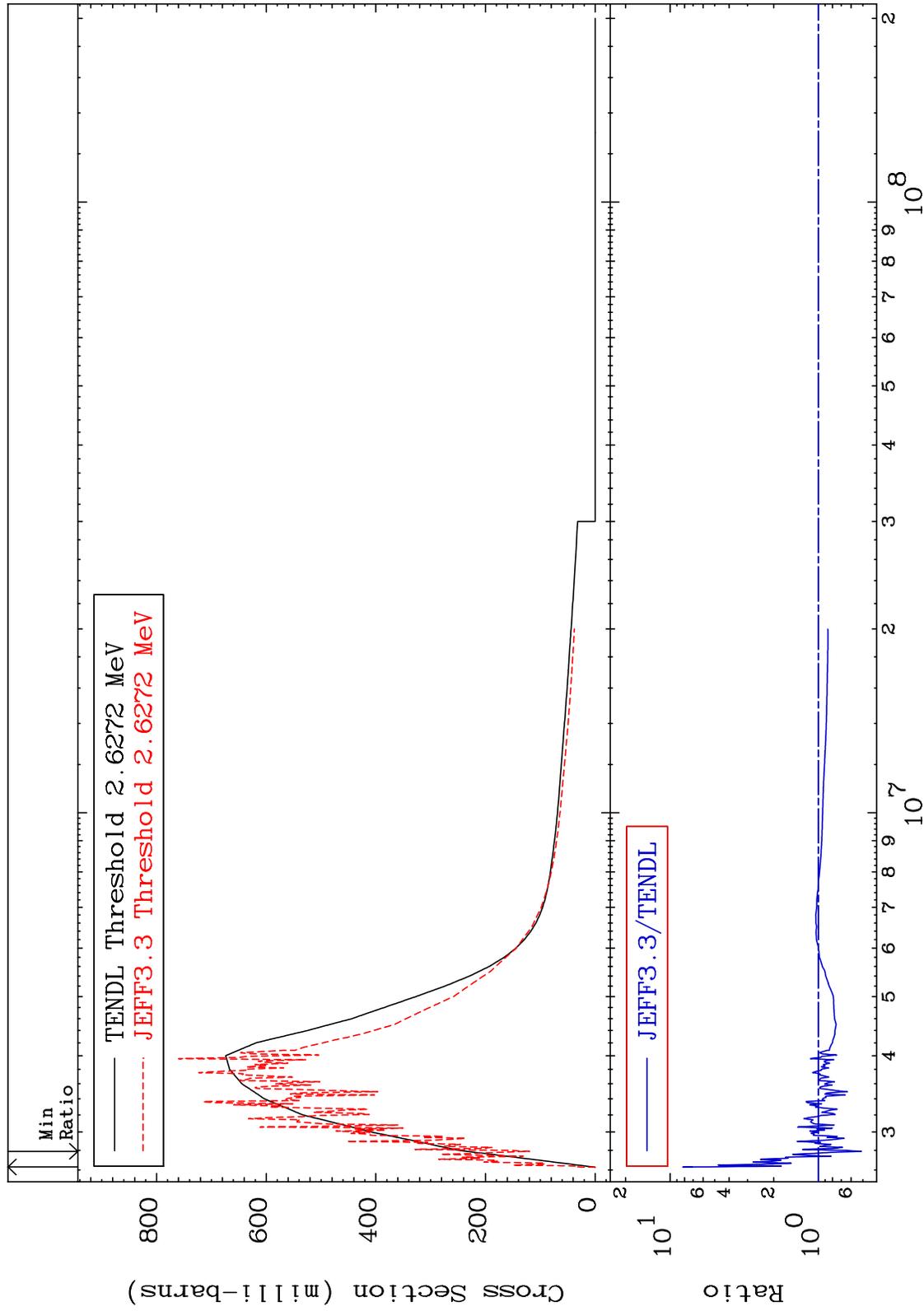


Incident Energy (eV) 82-Pb-208

MAT 8237

MT= 51 (n,n') Level
Cross Section

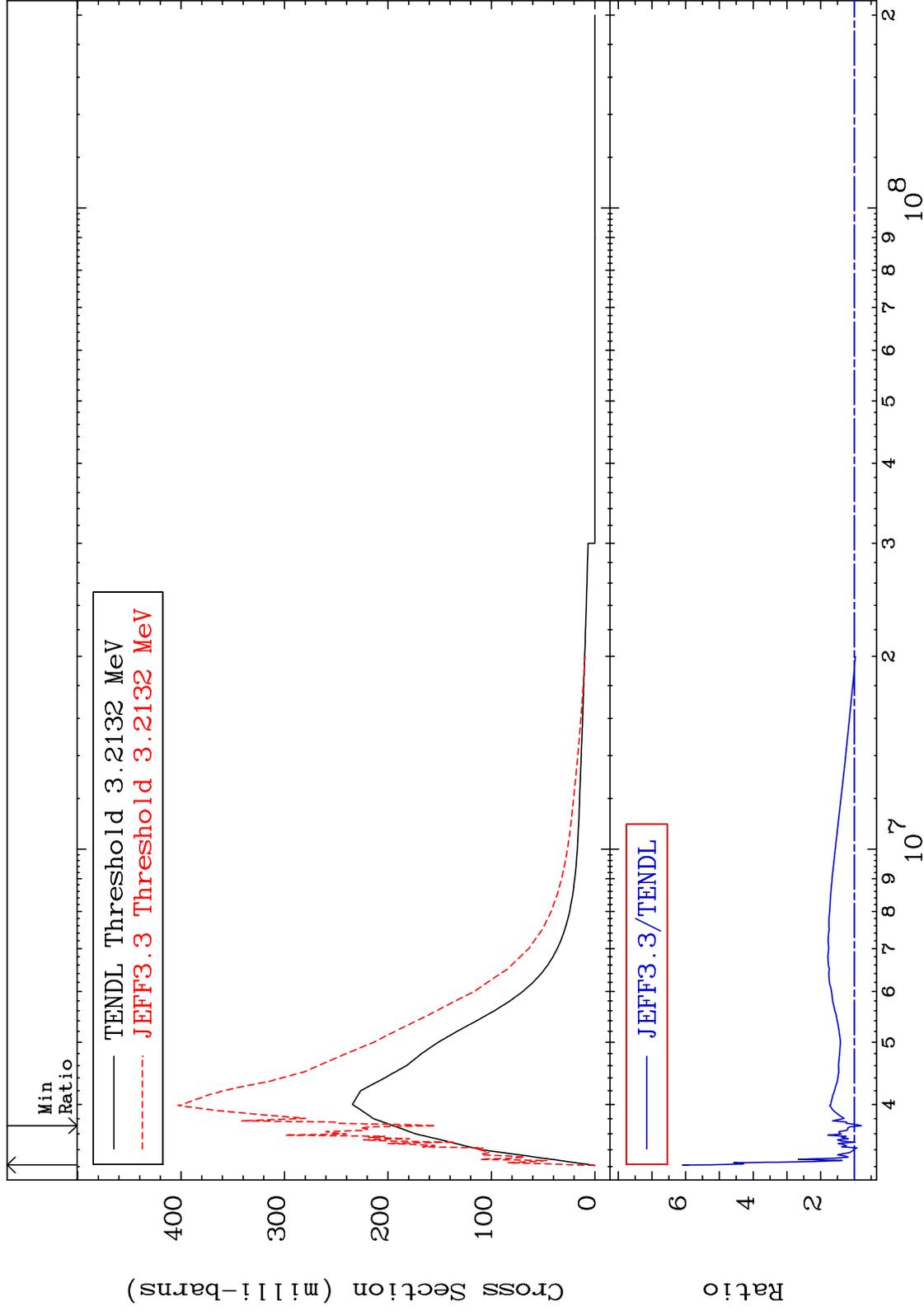
82-Pb-208
-48.89 To 723.6 %



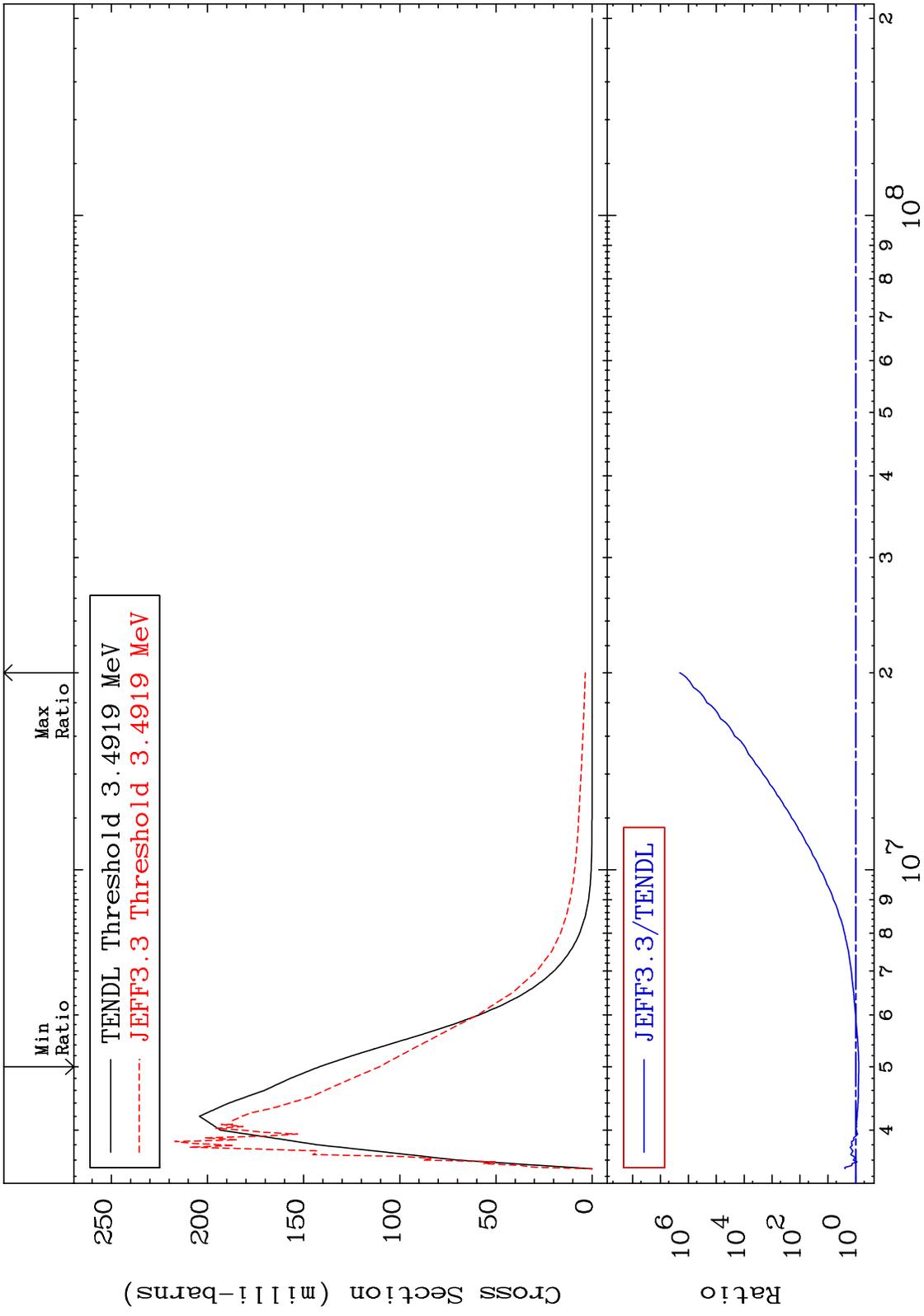
MAT 8237

MT= 52 (n,n') Level
Cross Section

82-Pb-208
-20.97 To 509.7 %



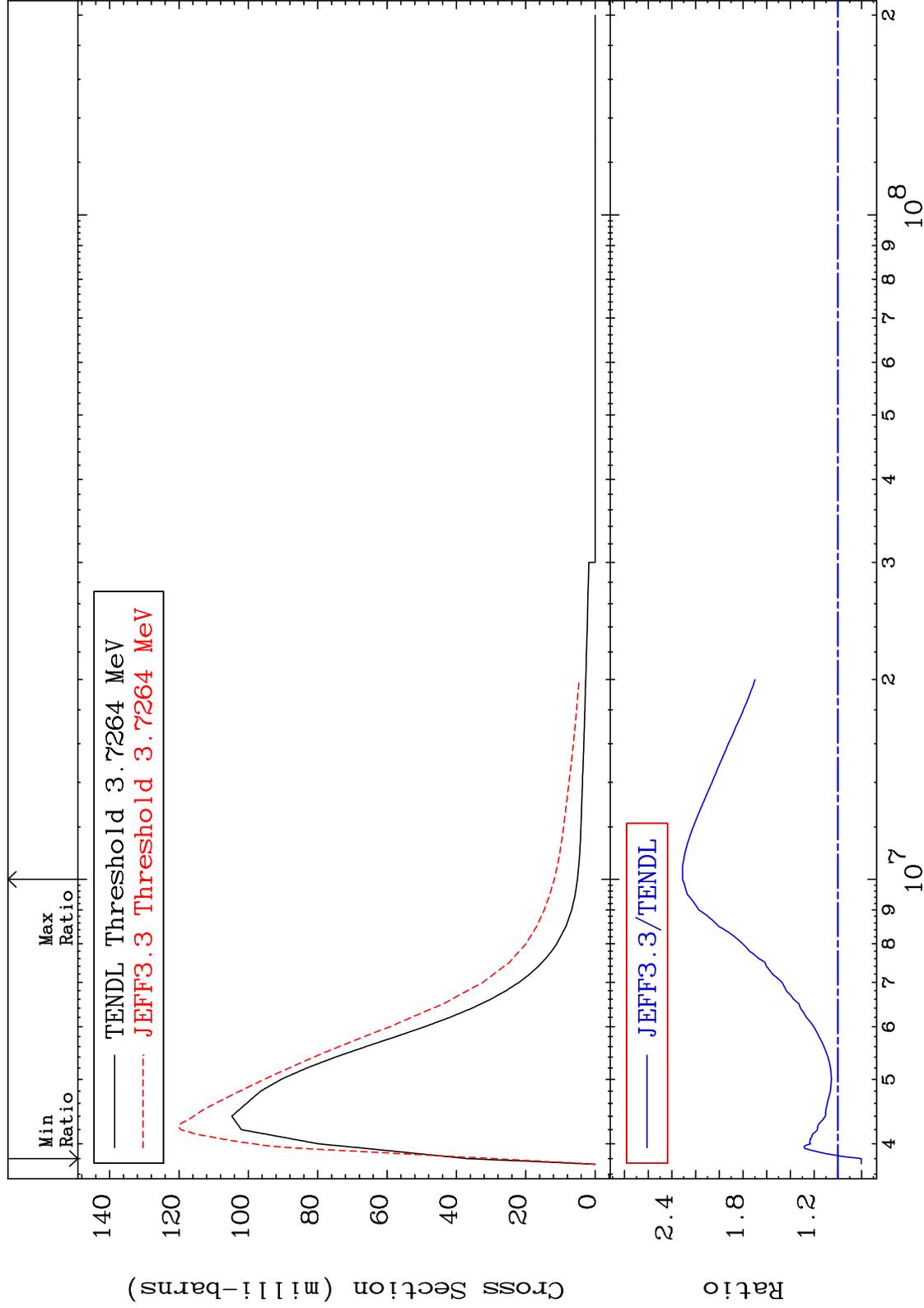
MAT 8237 MT= 53 (n,n') Level Cross Section 82-Pb-208 -22.06 To 9999. %



MAT 8237

MT= 54 (n,n') Level
Cross Section

82-Pb-208
-19.90 To 130.9 %

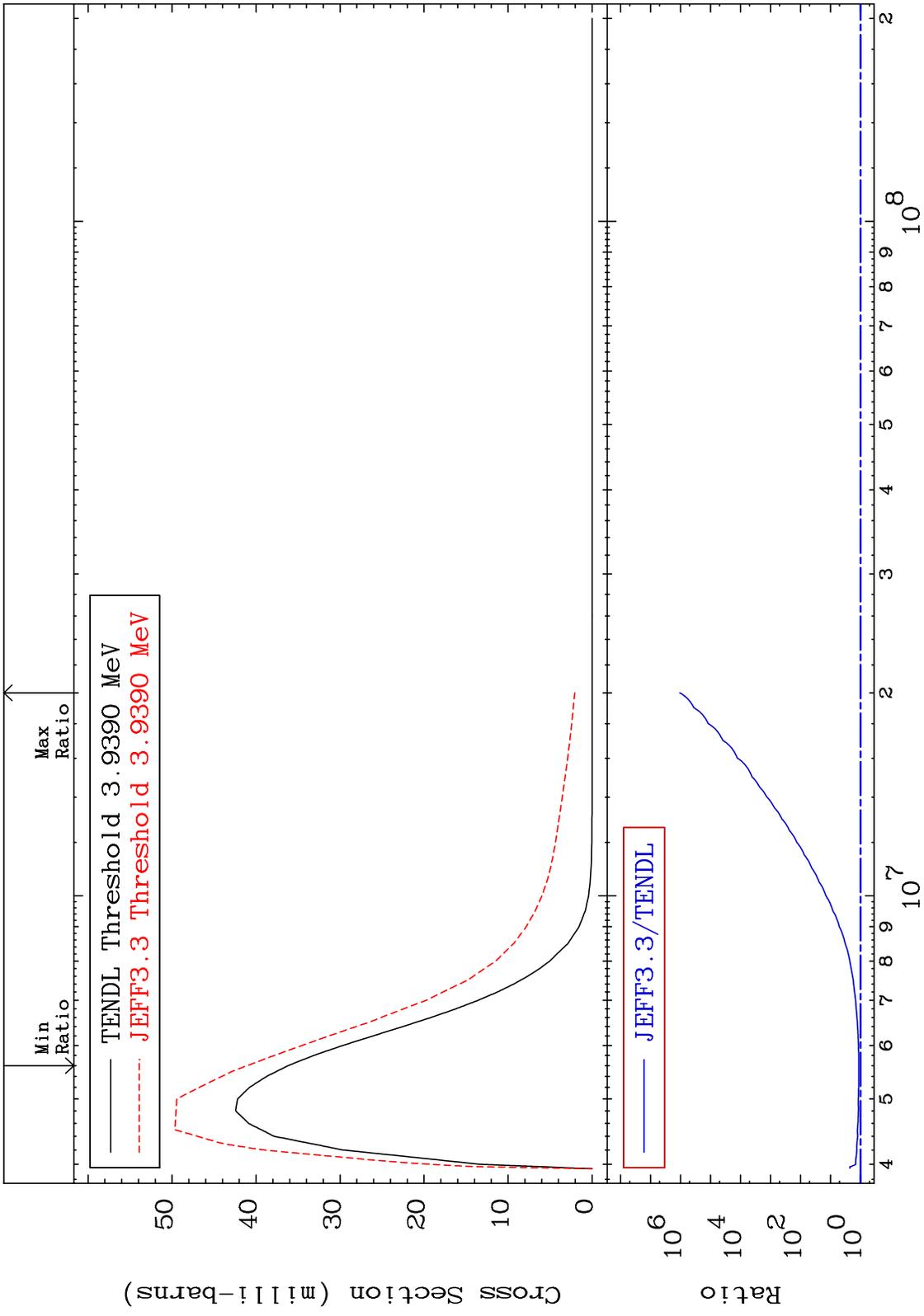


11

Incident Energy (eV)

82-Pb-208

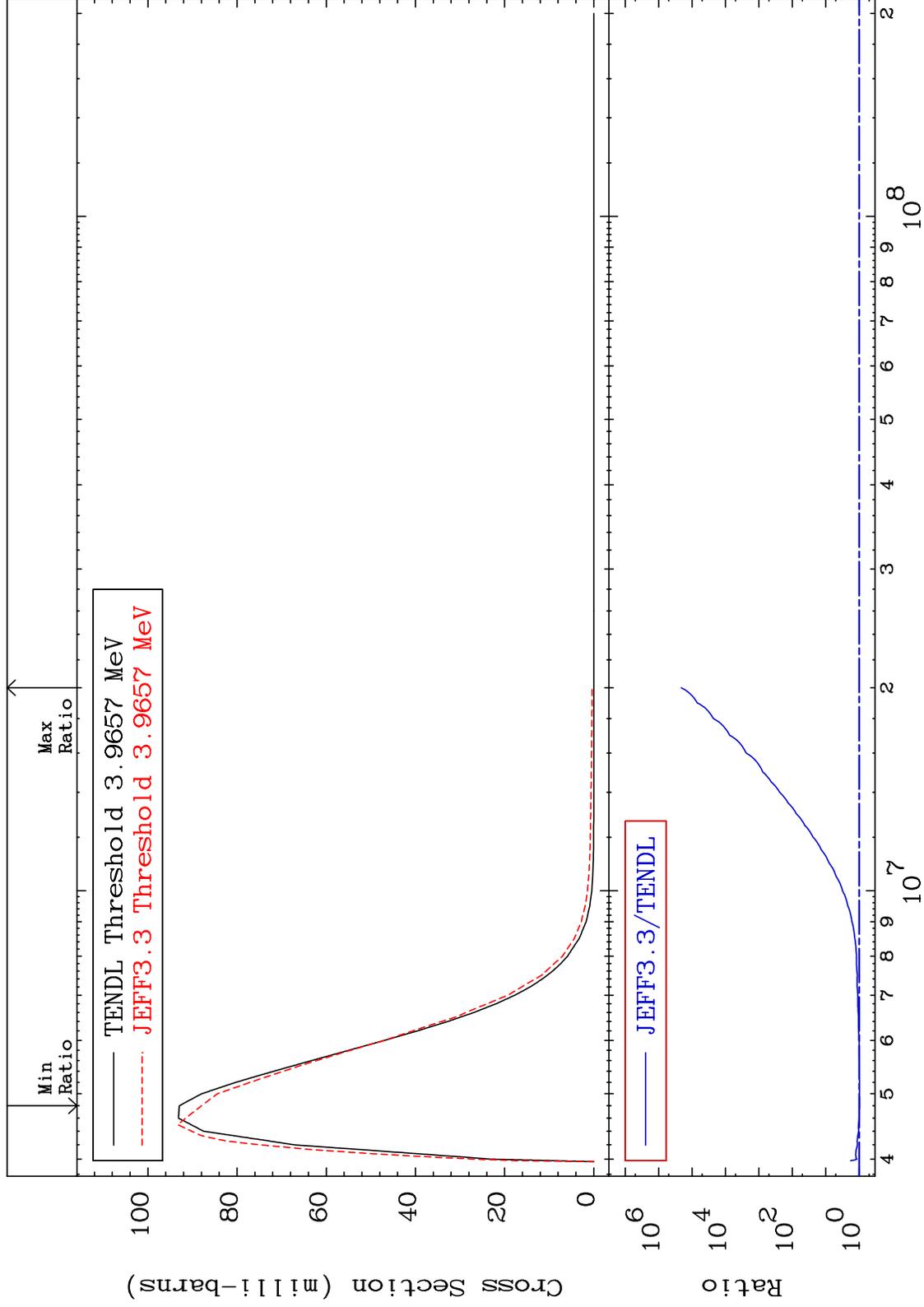
MAT 8237 MT= 55 (n,n') Level Cross Section 82-Pb-208 13.54 To 9999. %



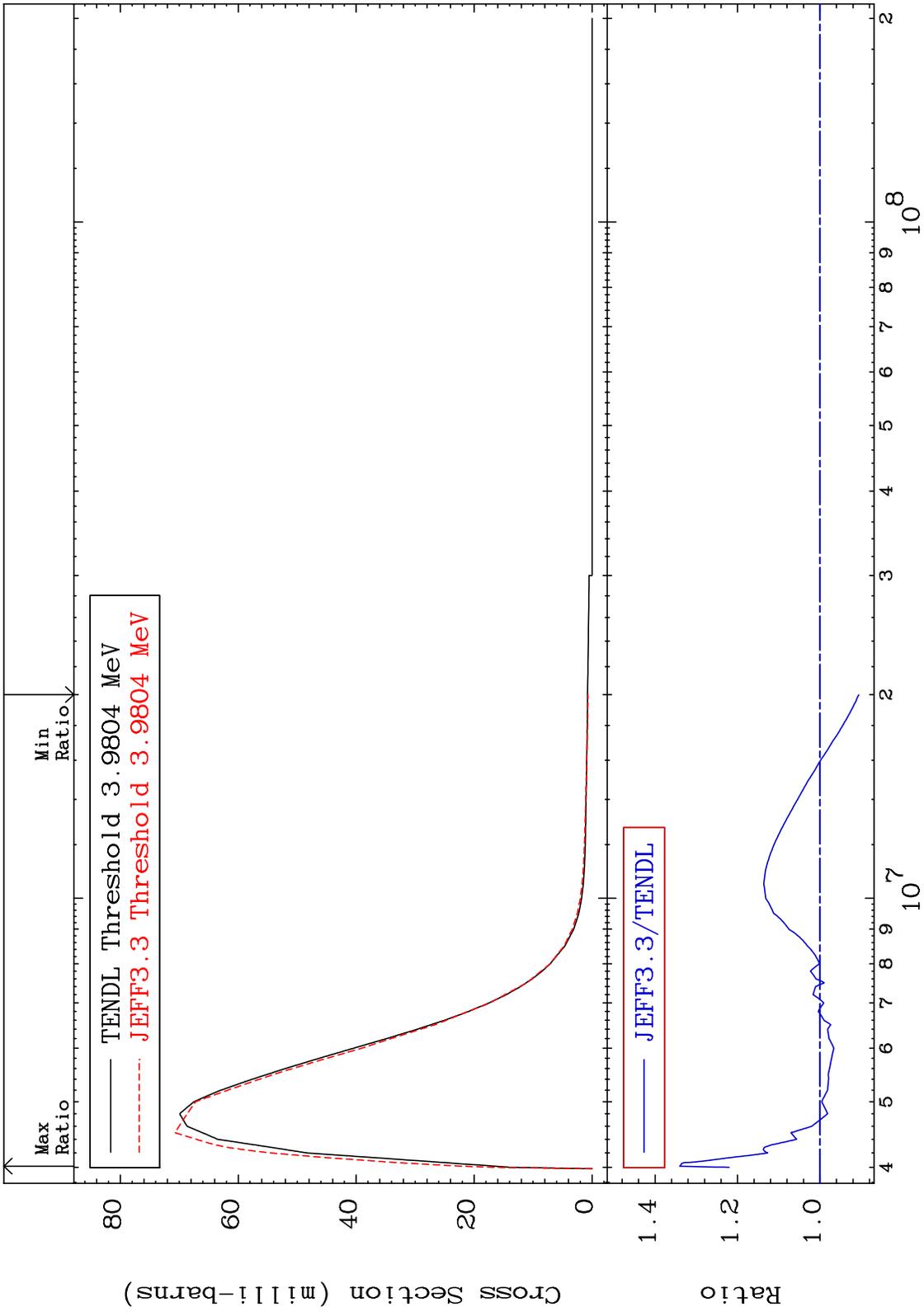
MAT 8237

MT= 56 (n,n') Level
Cross Section

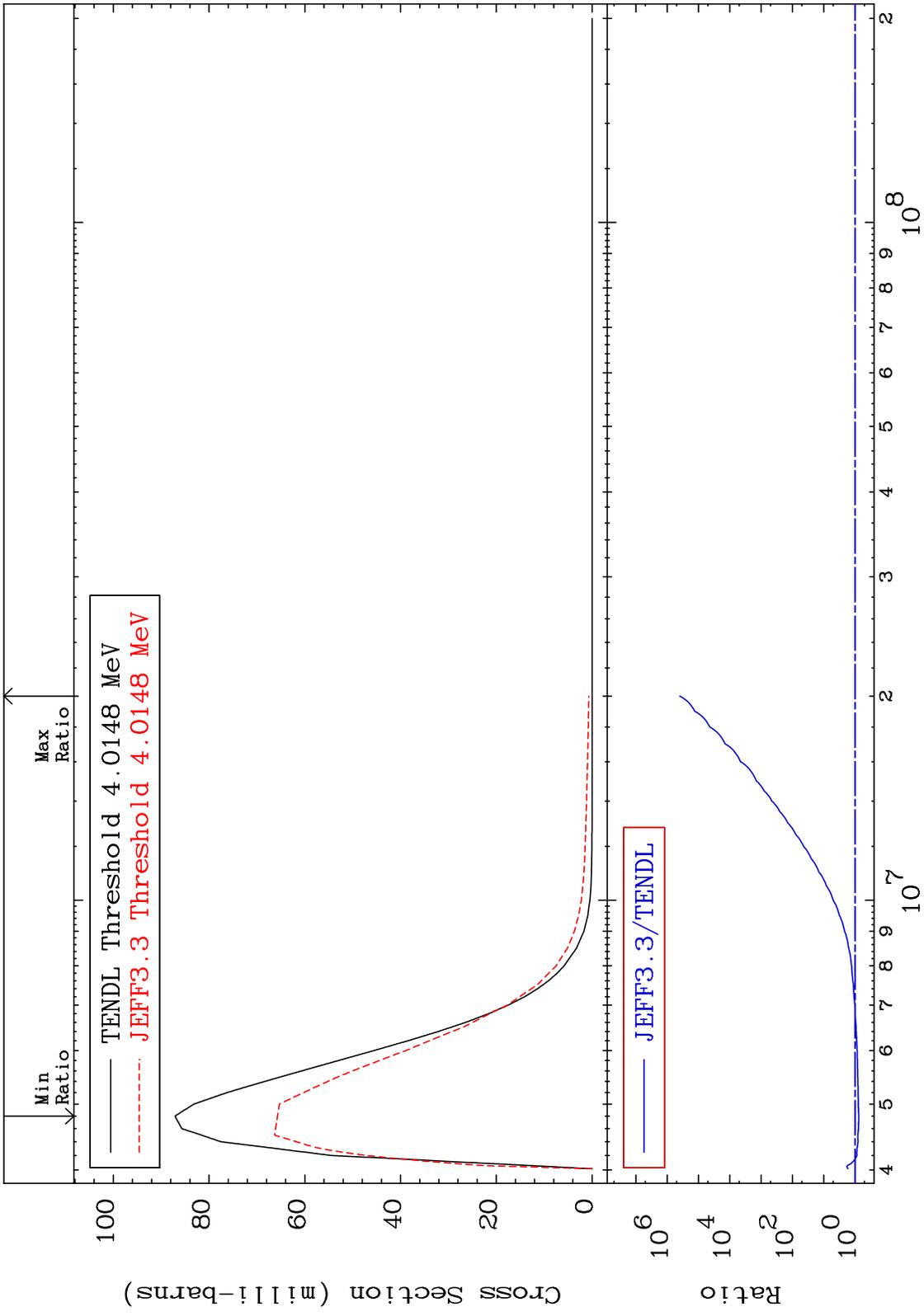
82-Pb-208
-5.372 To 9999. %



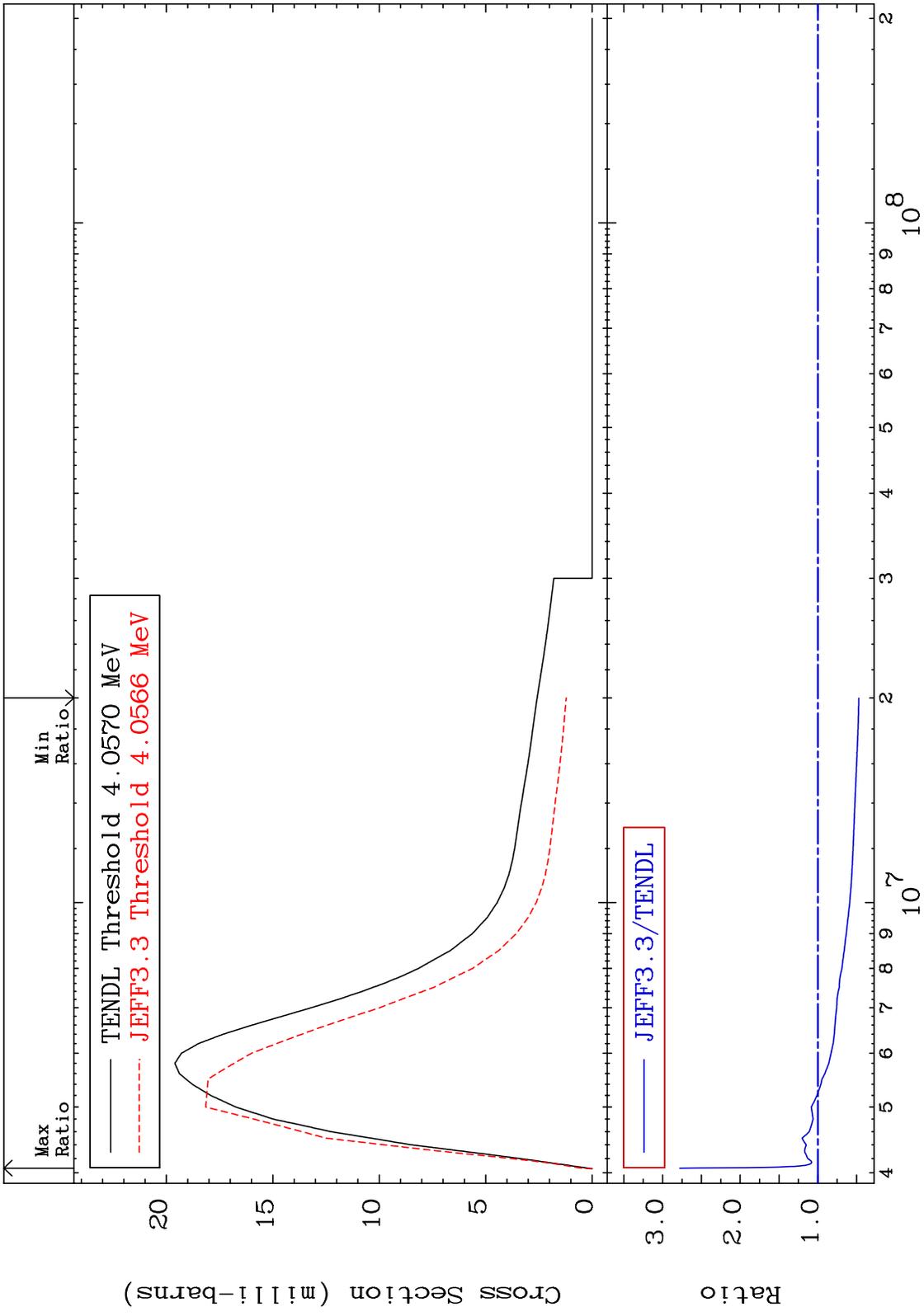
MAT 8237 MT= 57 (n,n') Level Cross Section 82-Pb-208 -9.404 To 34.02 %



MAT 8237 MT= 58 (n,n') Level Cross Section 82-Pb-208
 -24.58 To 9999. %



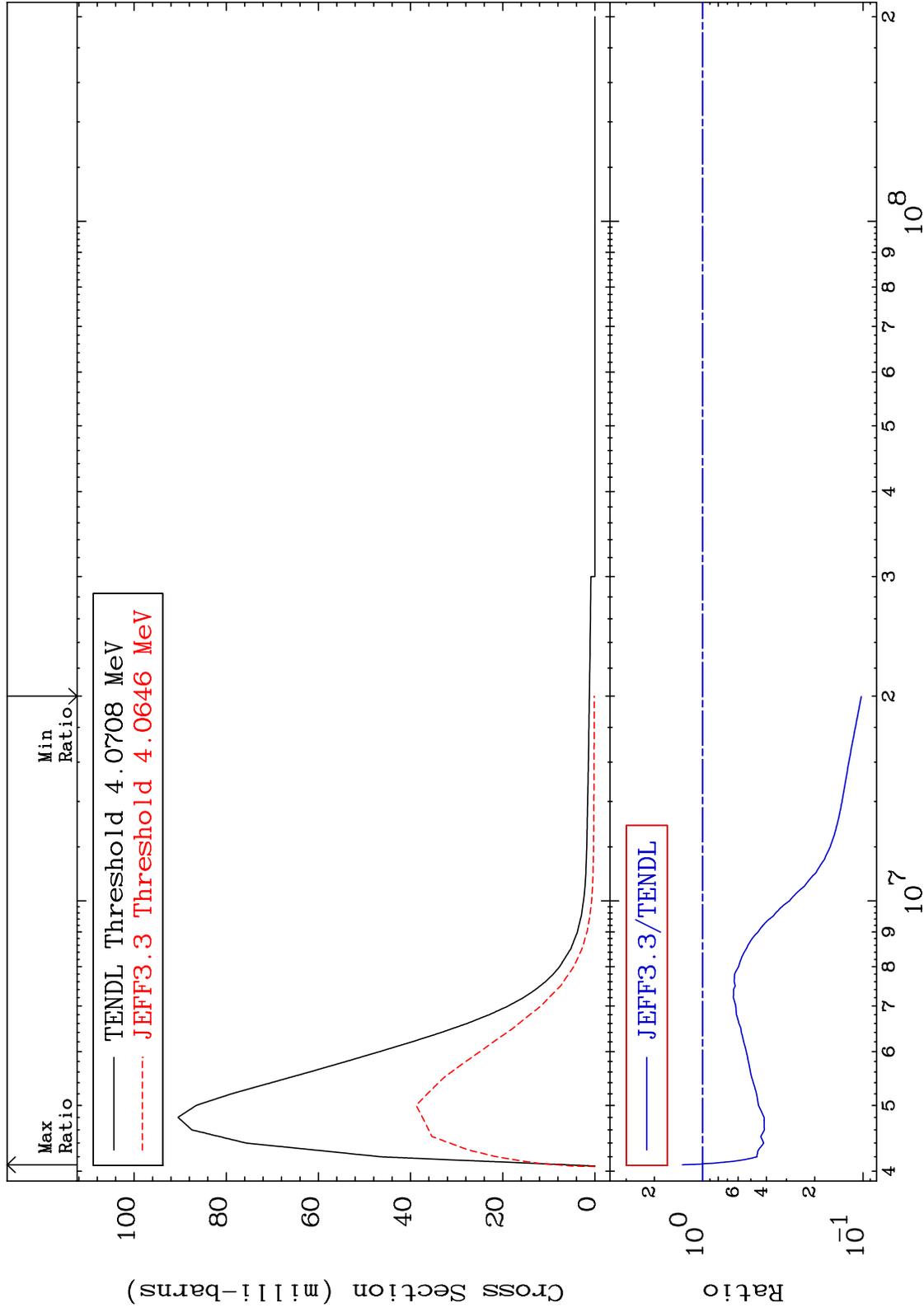
MAT 8237 MT= 59 (n,n') Level Cross Section 82-Pb-208
 -52.85 To 177.9 %



MAT 8237

MT= 60 (n,n') Level
Cross Section

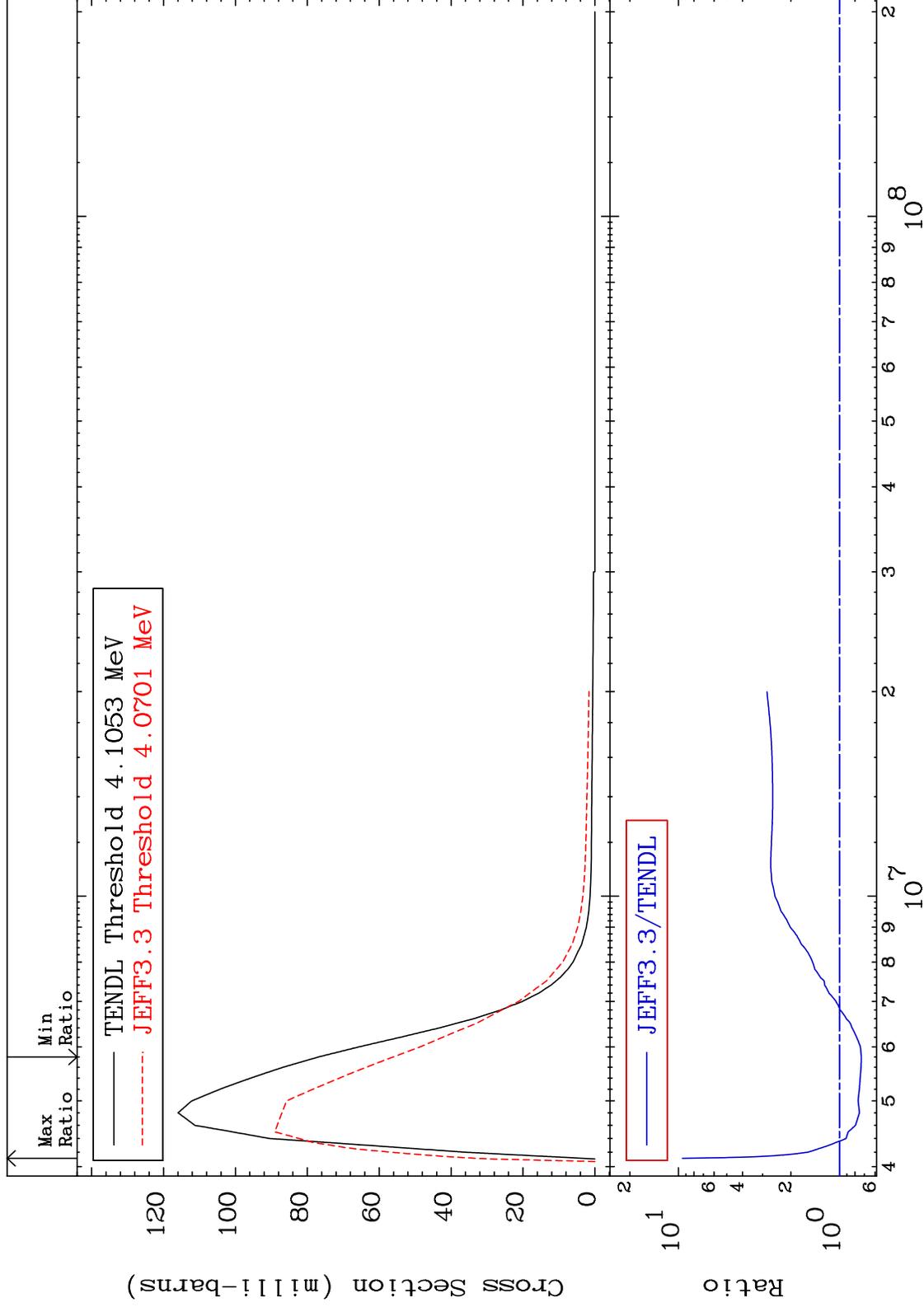
82-Pb-208
-89.76 To 33.56 %



MAT 8237

MT= 61 (n,n') Level
Cross Section

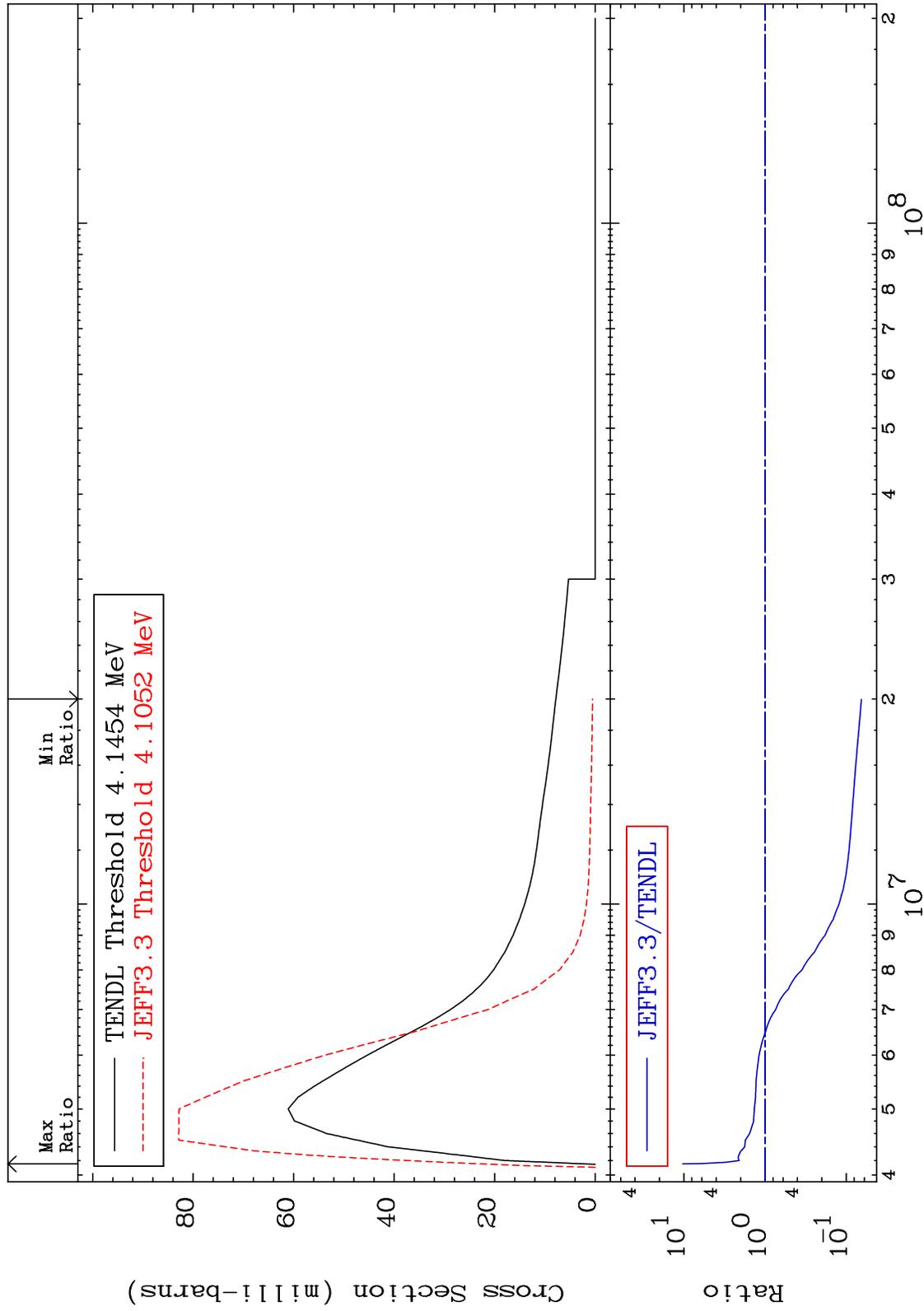
82-Pb-208
-26.96 To 844.1 %



MAT 8237

MT= 62 (n,n') Level
Cross Section

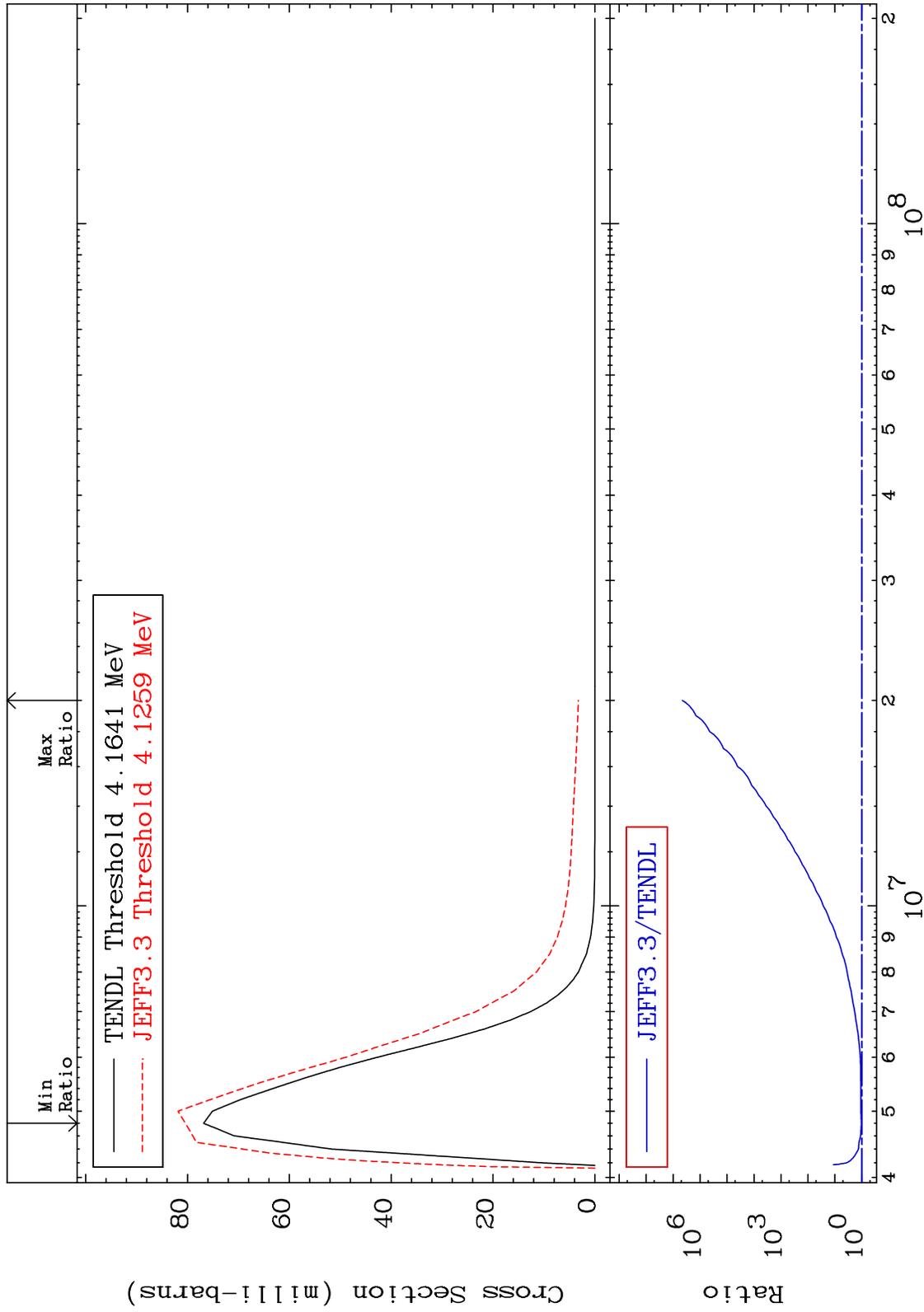
82-Pb-208
-93.48 To 934.7 %



MAT 8237

MT= 63 (n,n') Level
Cross Section

82-Pb-208
4.675 To 9999. %



20

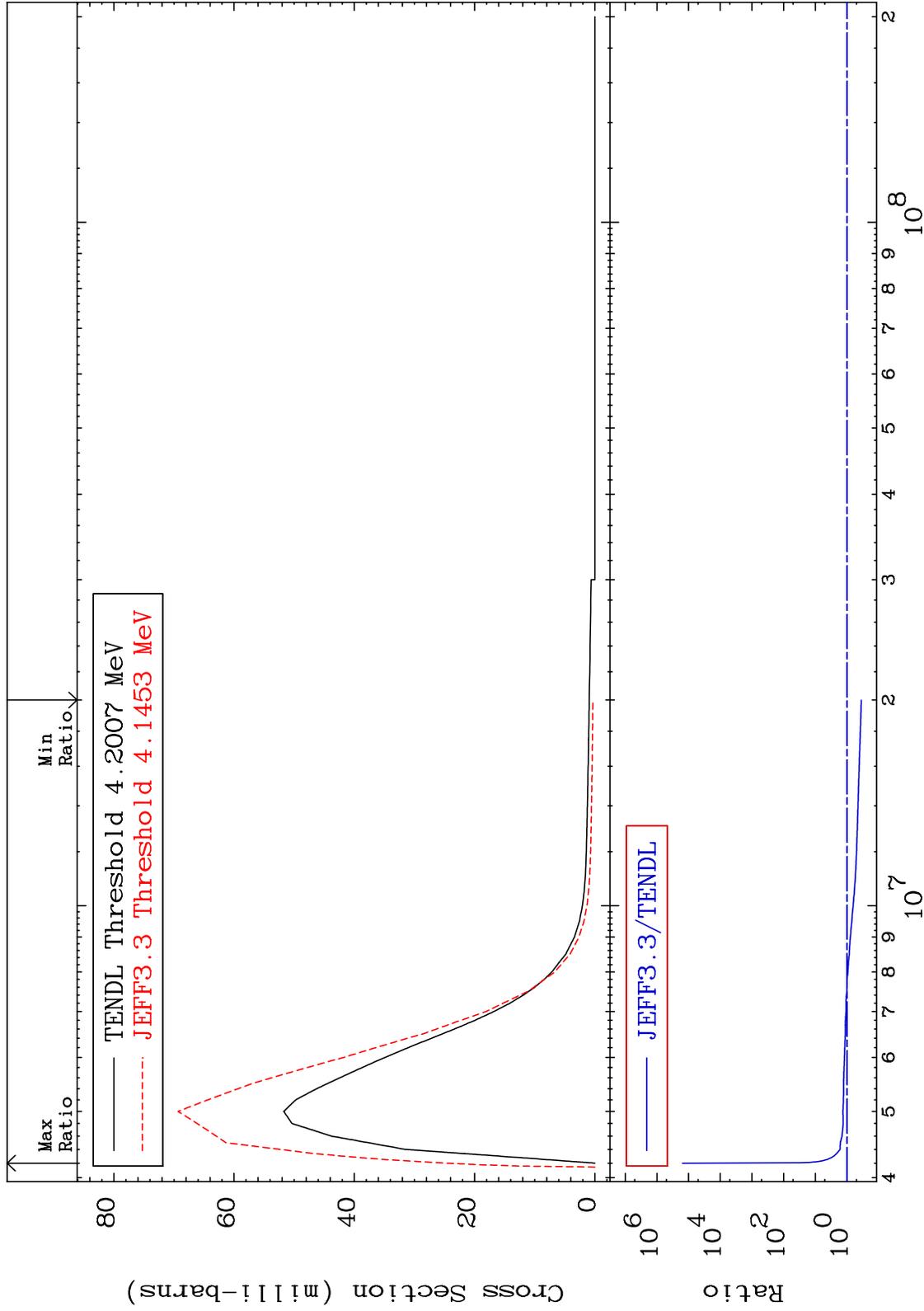
Incident Energy (eV)

82-Pb-208

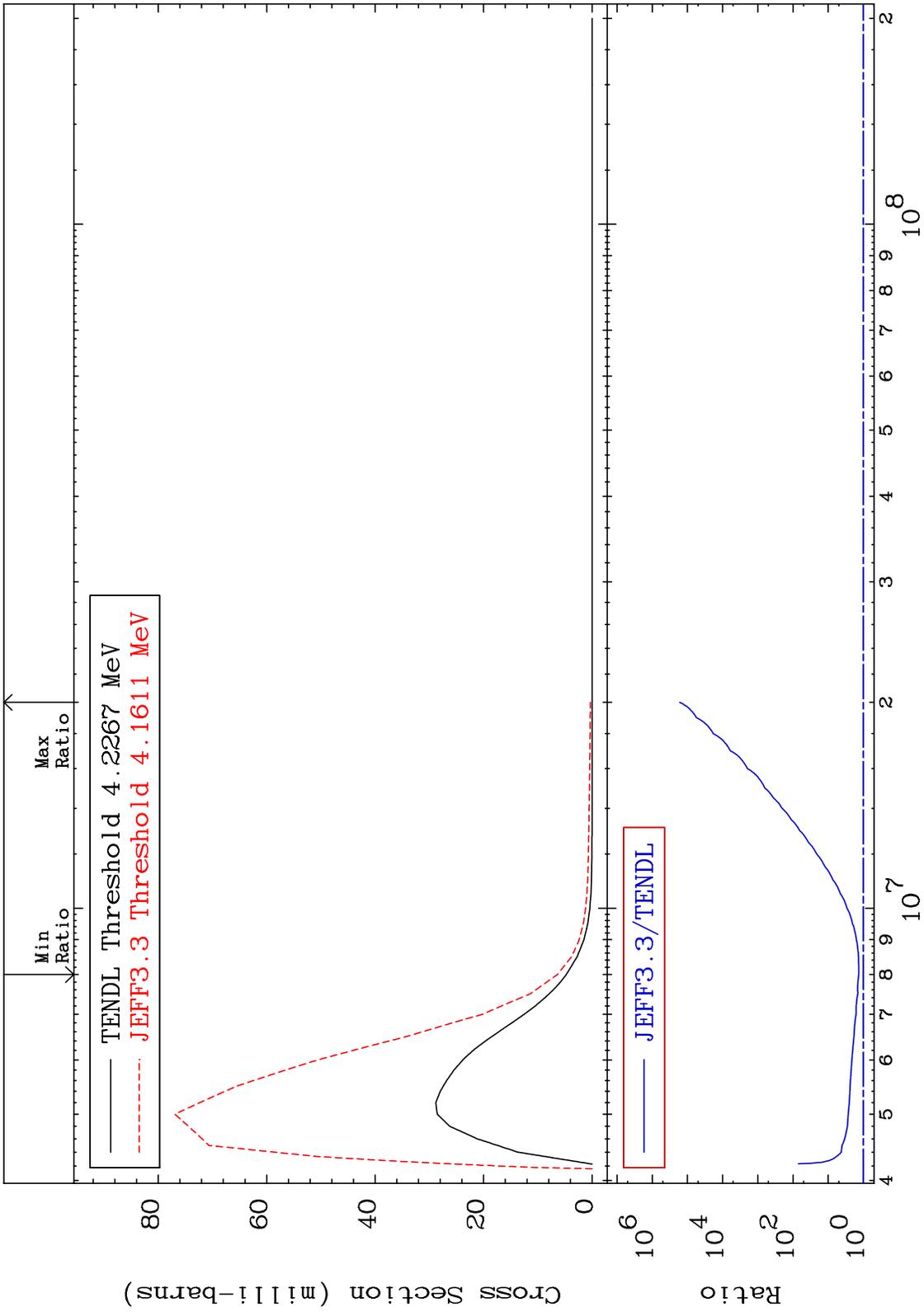
MAT 8237

MT= 64 (n,n') Level
Cross Section

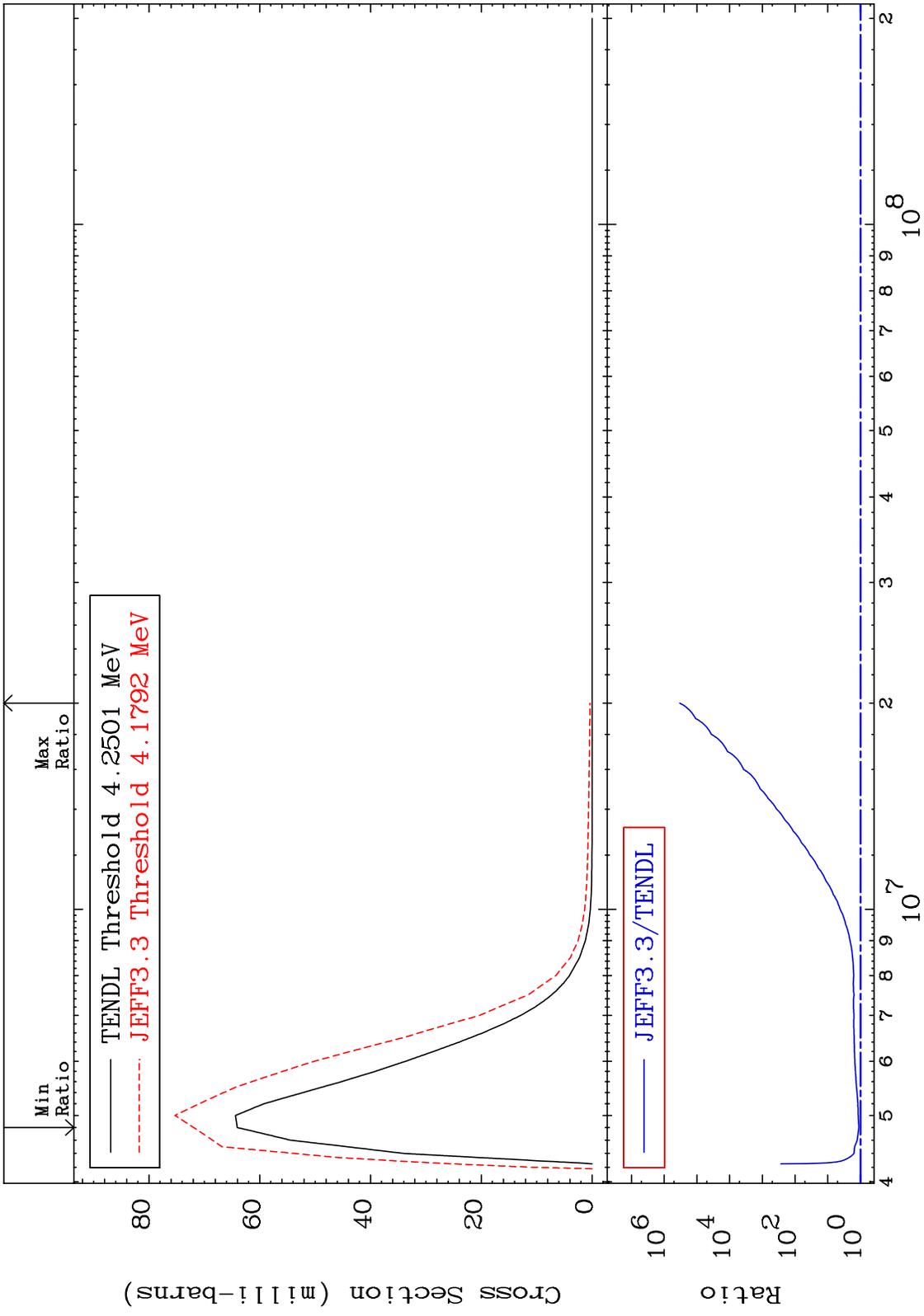
82-Pb-208
-64.82 To 9999. %



MAT 8237 MT= 65 (n,n') Level Cross Section 82-Pb-208 34.64 To 9999. %



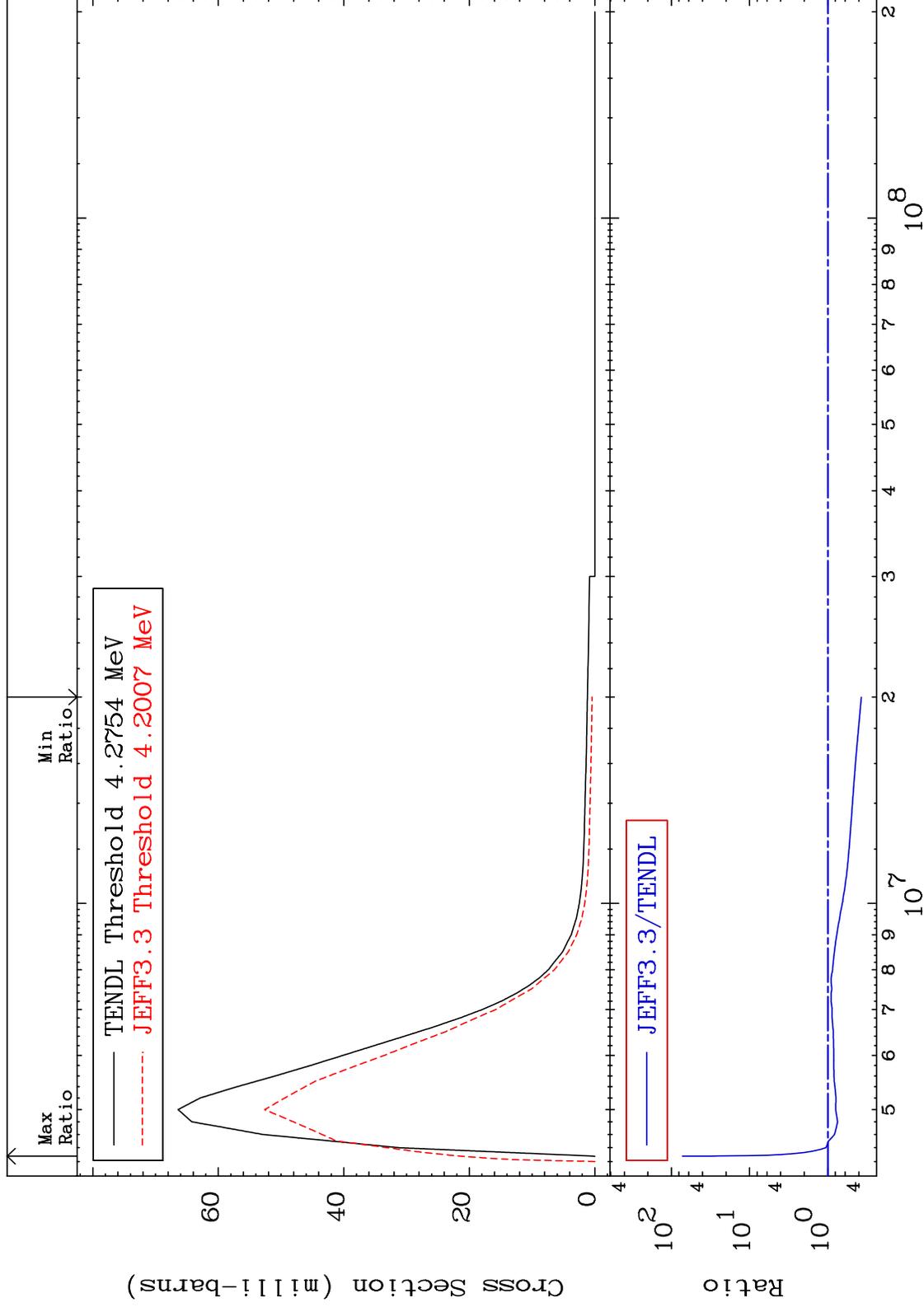
MAT 8237 MT= 66 (n,n') Level Cross Section 82-Pb-208 To 9999. %
 12.28



MAT 8237

MT= 67 (n,n') Level
Cross Section

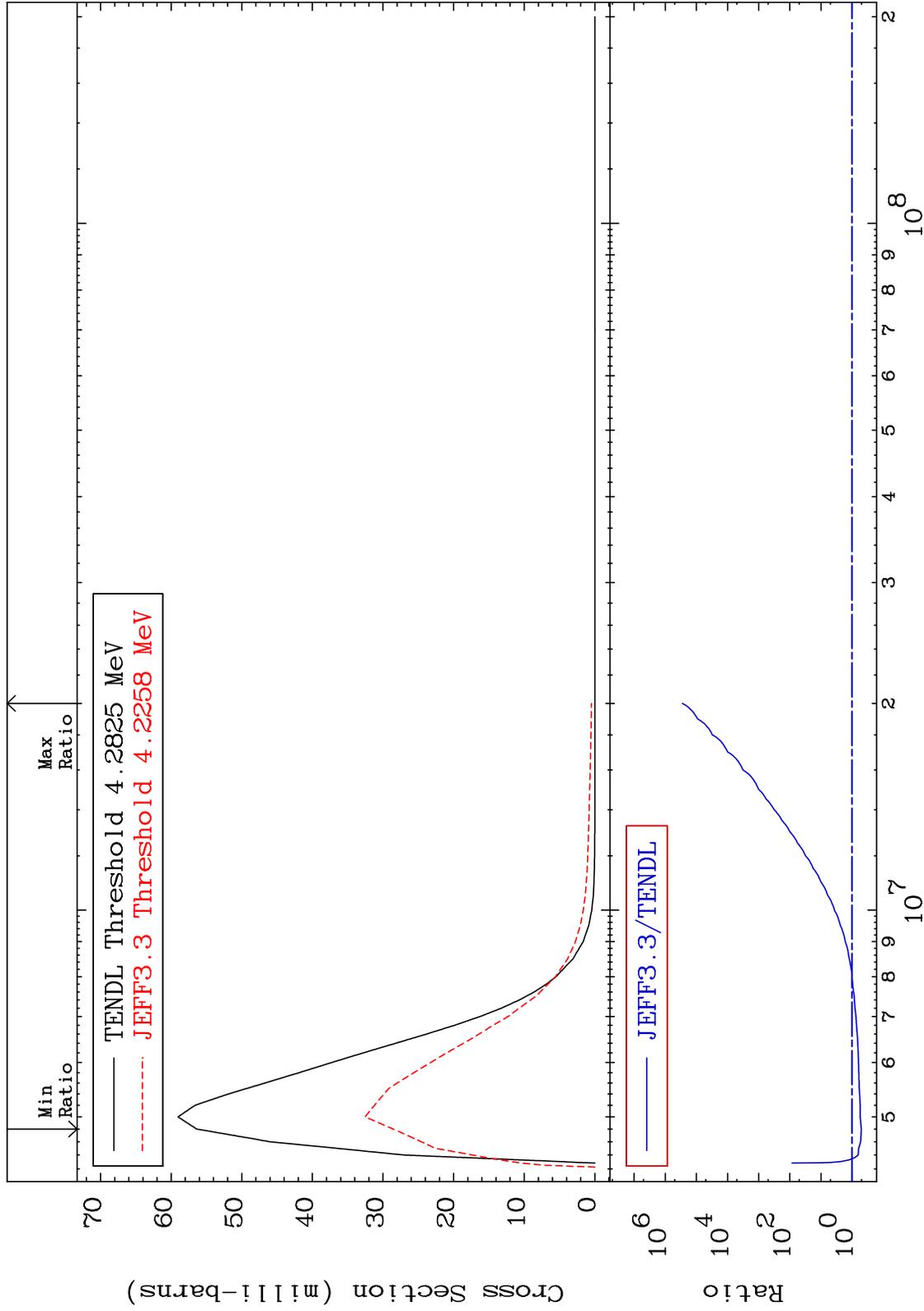
82-Pb-208
-62.81 To 7120. %



MAT 8237

MT= 68 (n,n') Level
Cross Section

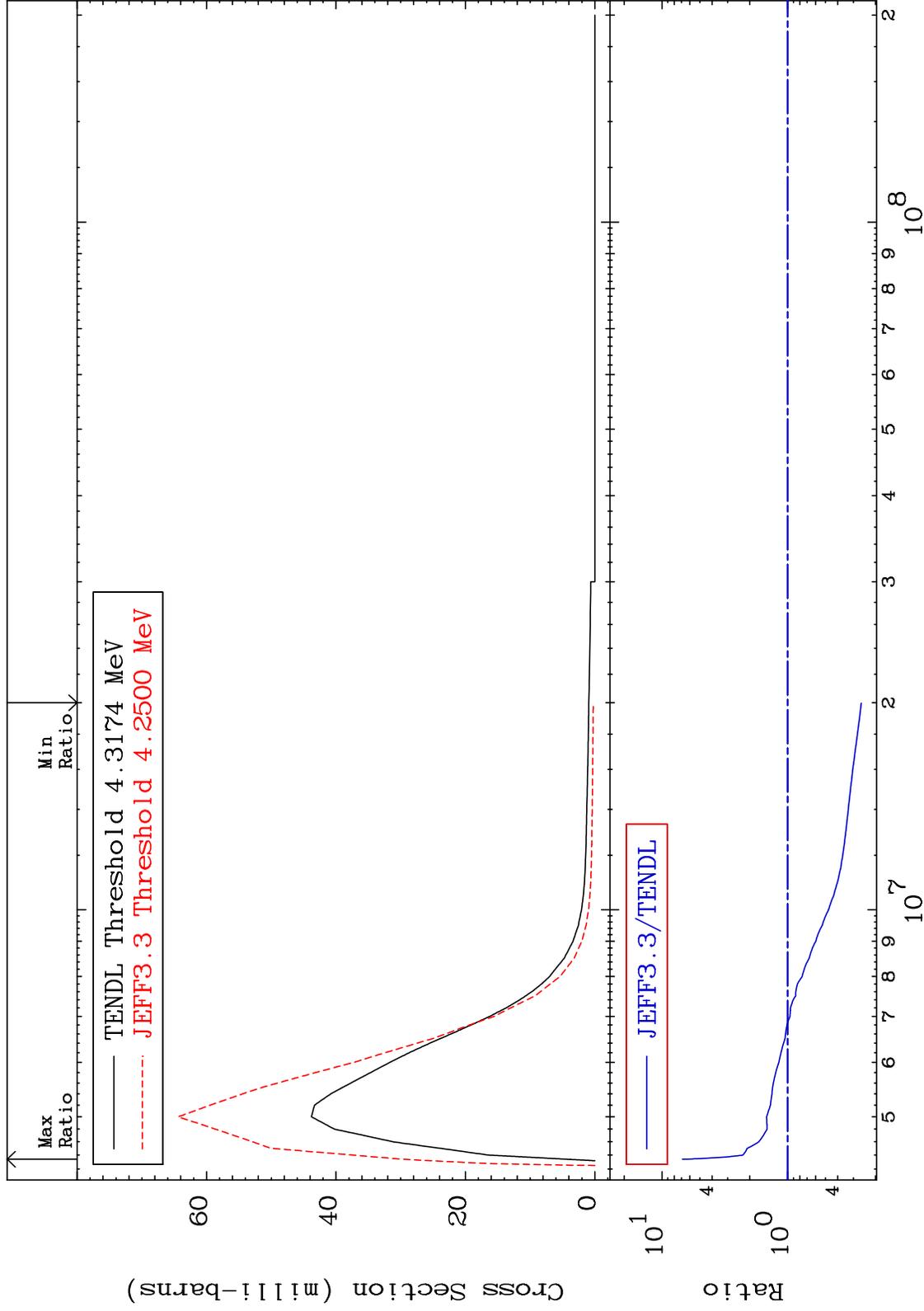
82-Pb-208
-49.36 To 9999. %



MAT 8237

MT= 69 (n,n') Level
Cross Section

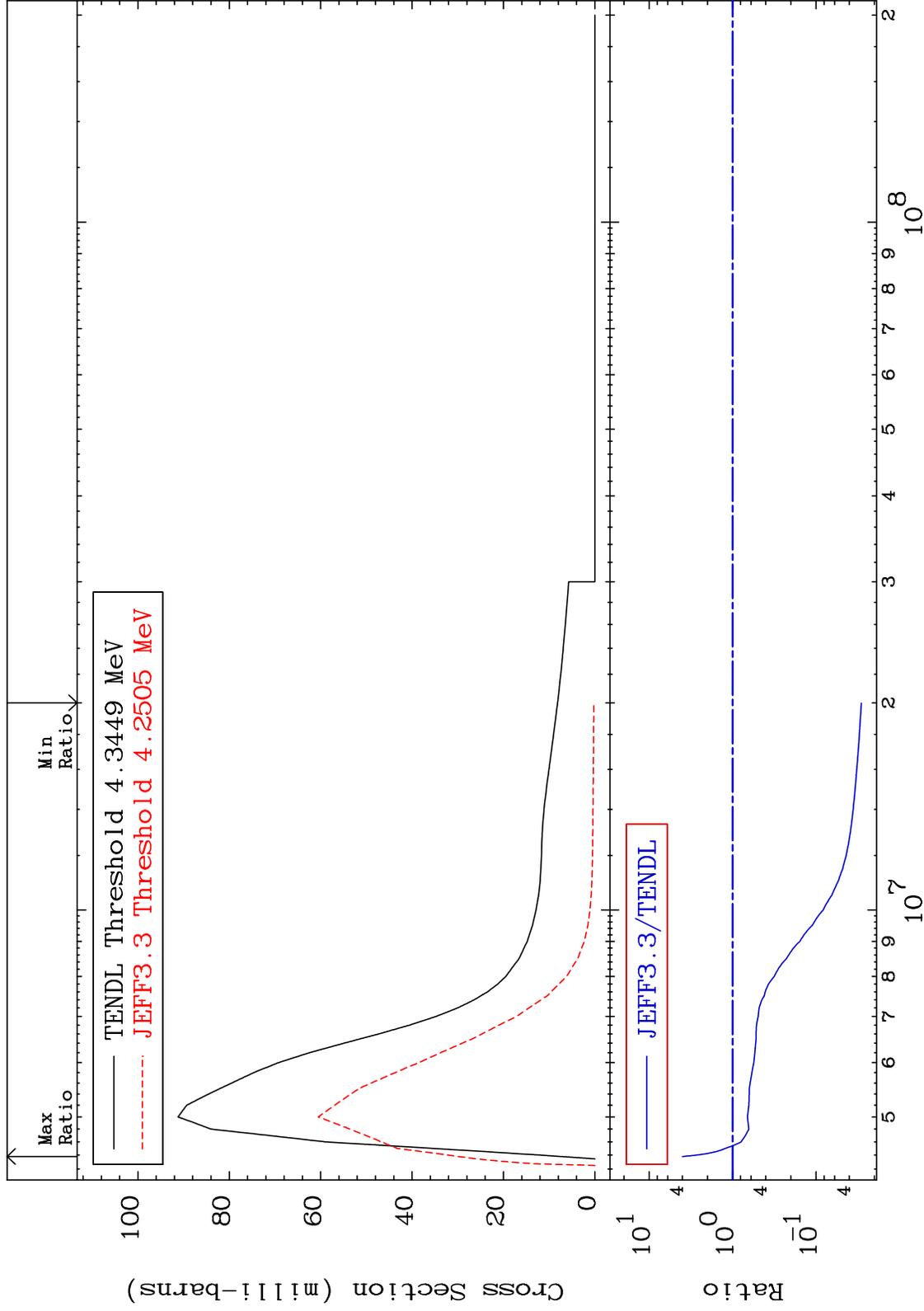
82-Pb-208
-74.07 To 587.6 %



MAT 8237

MT= 70 (n,n') Level
Cross Section

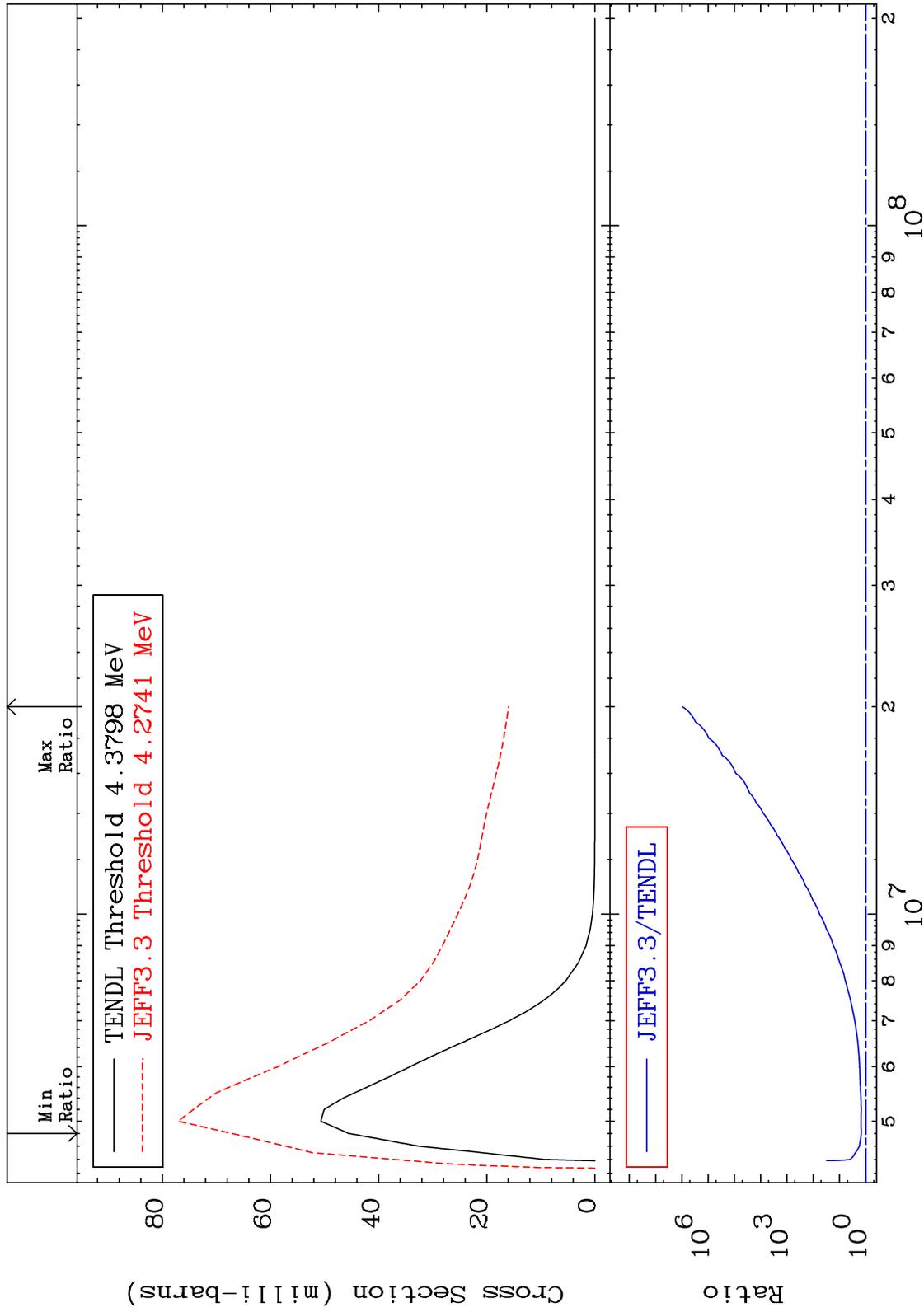
82-Pb-208
-97.13 To 298.6 %



MAT 8237

MT= 71 (n,n') Level
Cross Section

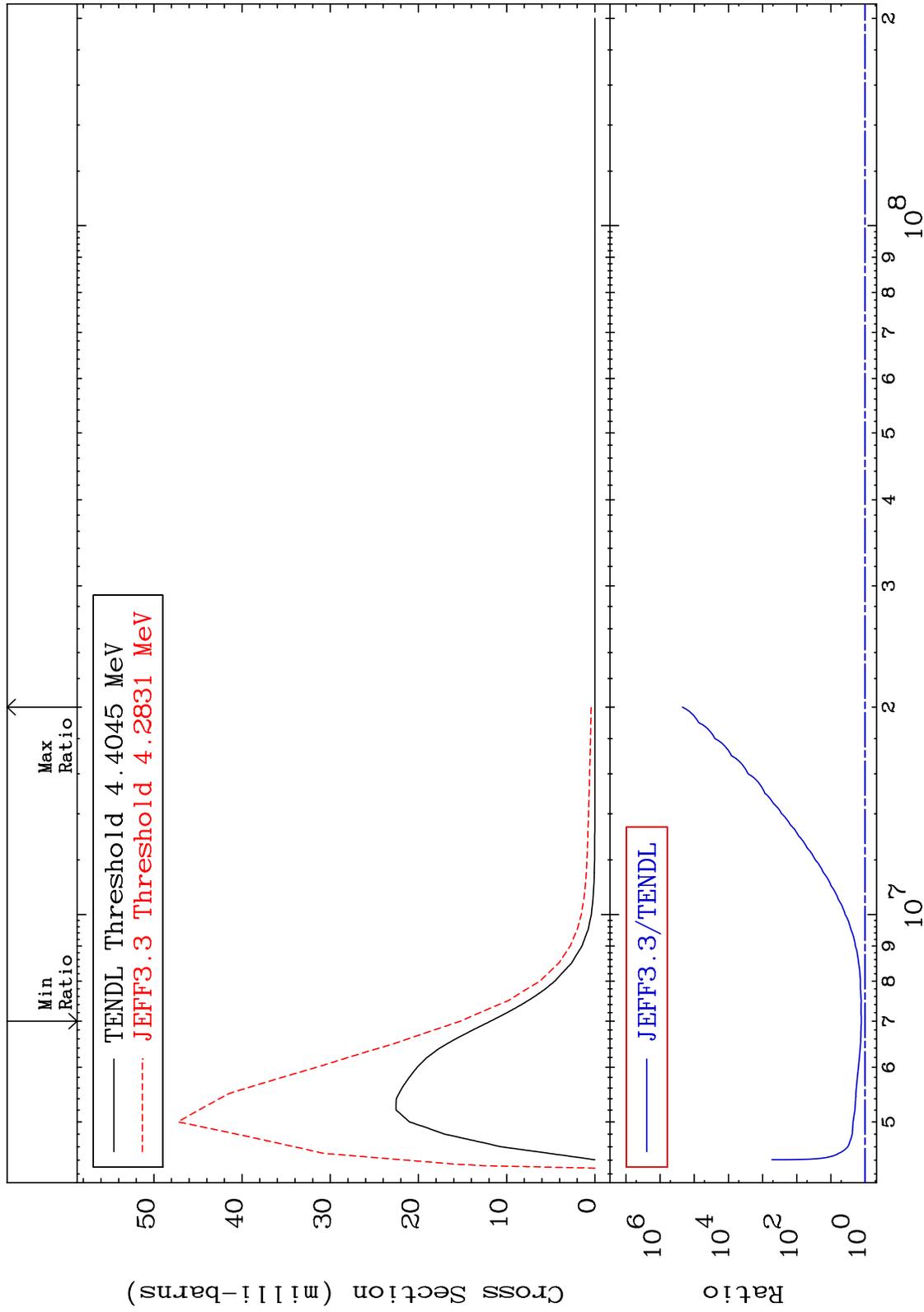
82-Pb-208
47.44 To 9999. %



MAT 8237

MT= 72 (n,n') Level
Cross Section

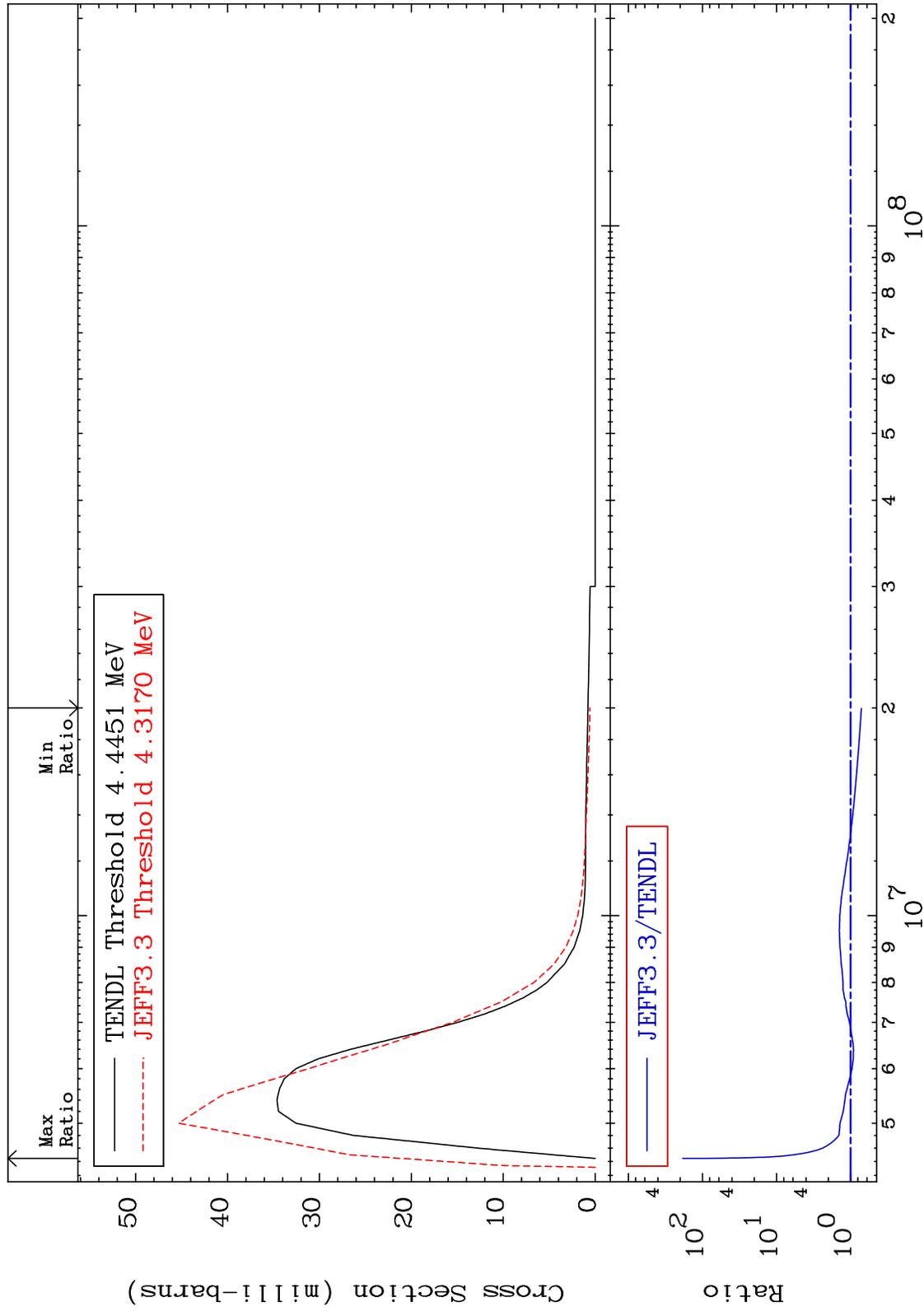
82-Pb-208
28.85 To 9999. %



MAT 8237

MT= 73 (n,n') Level
Cross Section

82-Pb-208
-28.42 To 9999. %



30

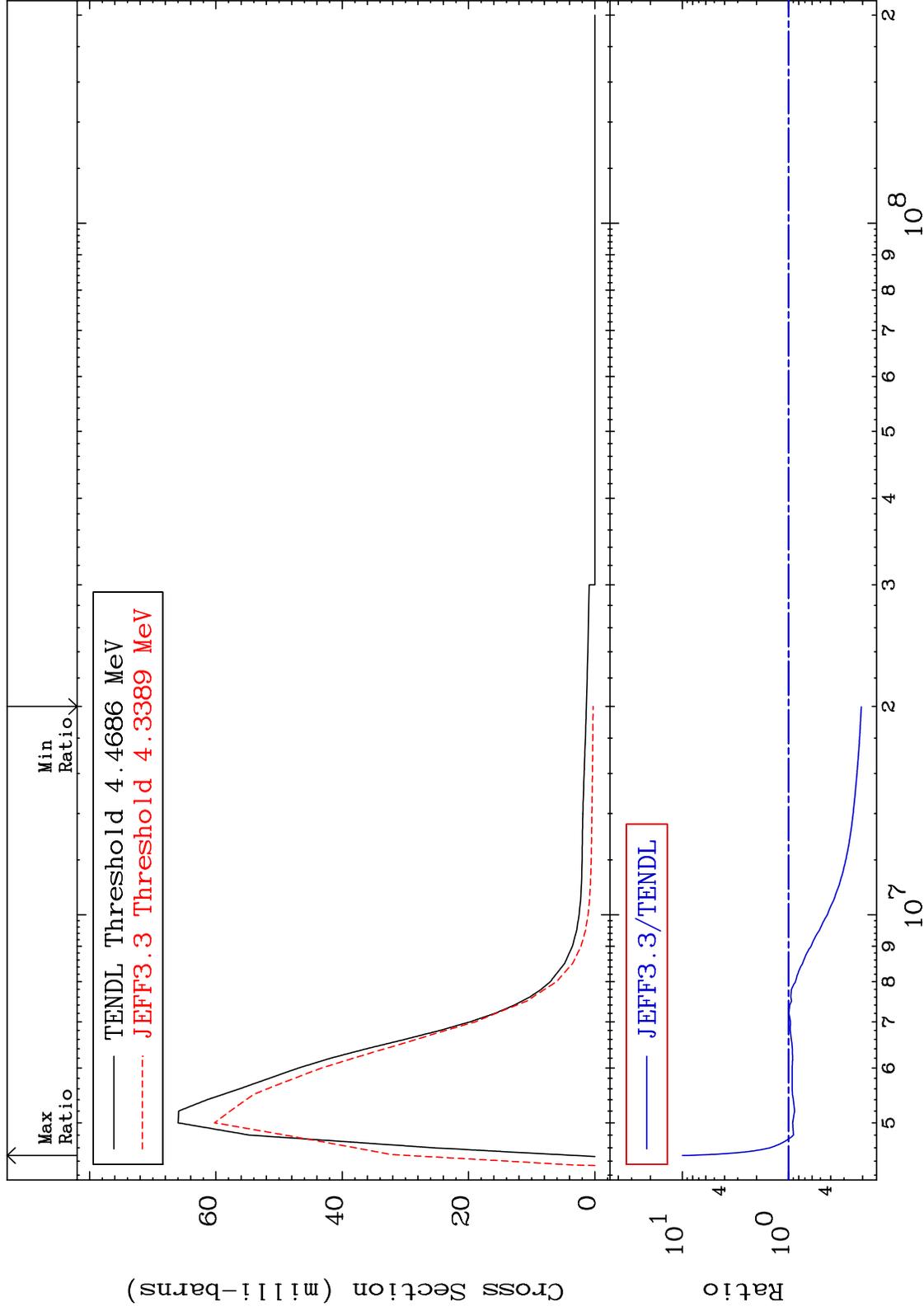
Incident Energy (eV)

82-Pb-208

MAT 8237

MT= 74 (n,n') Level
Cross Section

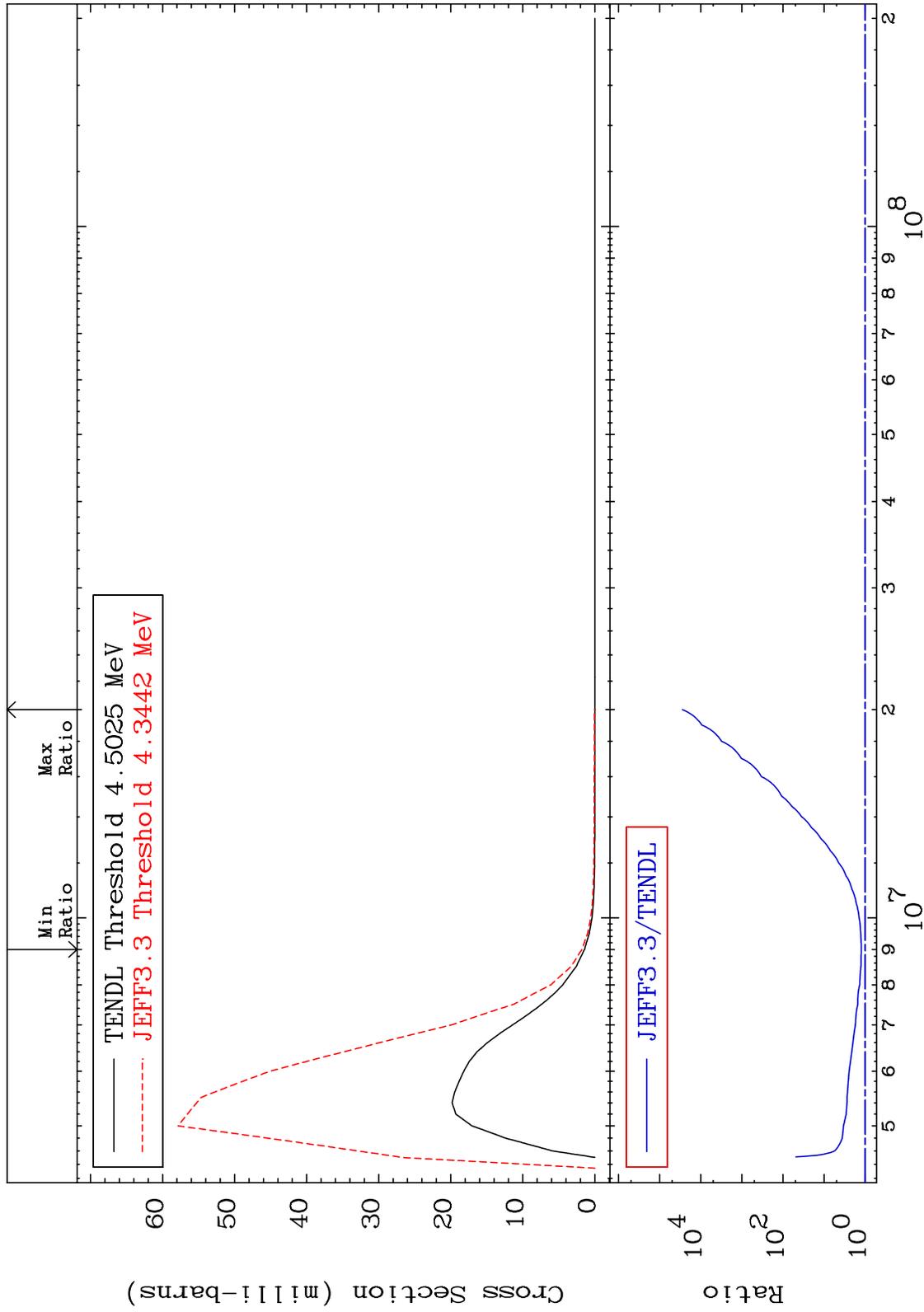
82-Pb-208
-79.43 To 896.9 %



MAT 8237

MT= 75 (n,n') Level
Cross Section

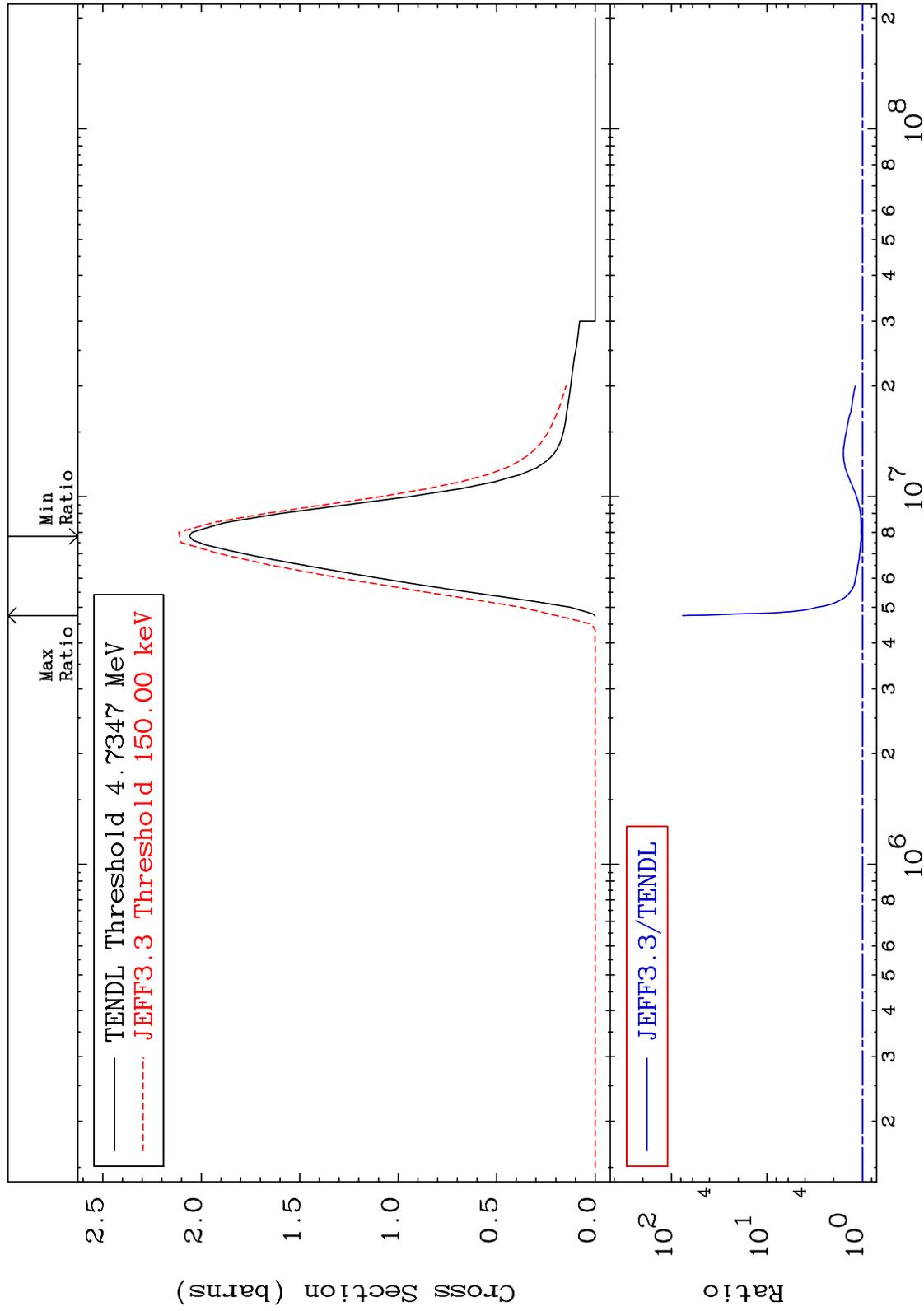
82-Pb-208
24.96 To 9999. %



MAT 8237

(n, n') Continuum
Cross Section

82-Pb-208
2.403 To 7548. %



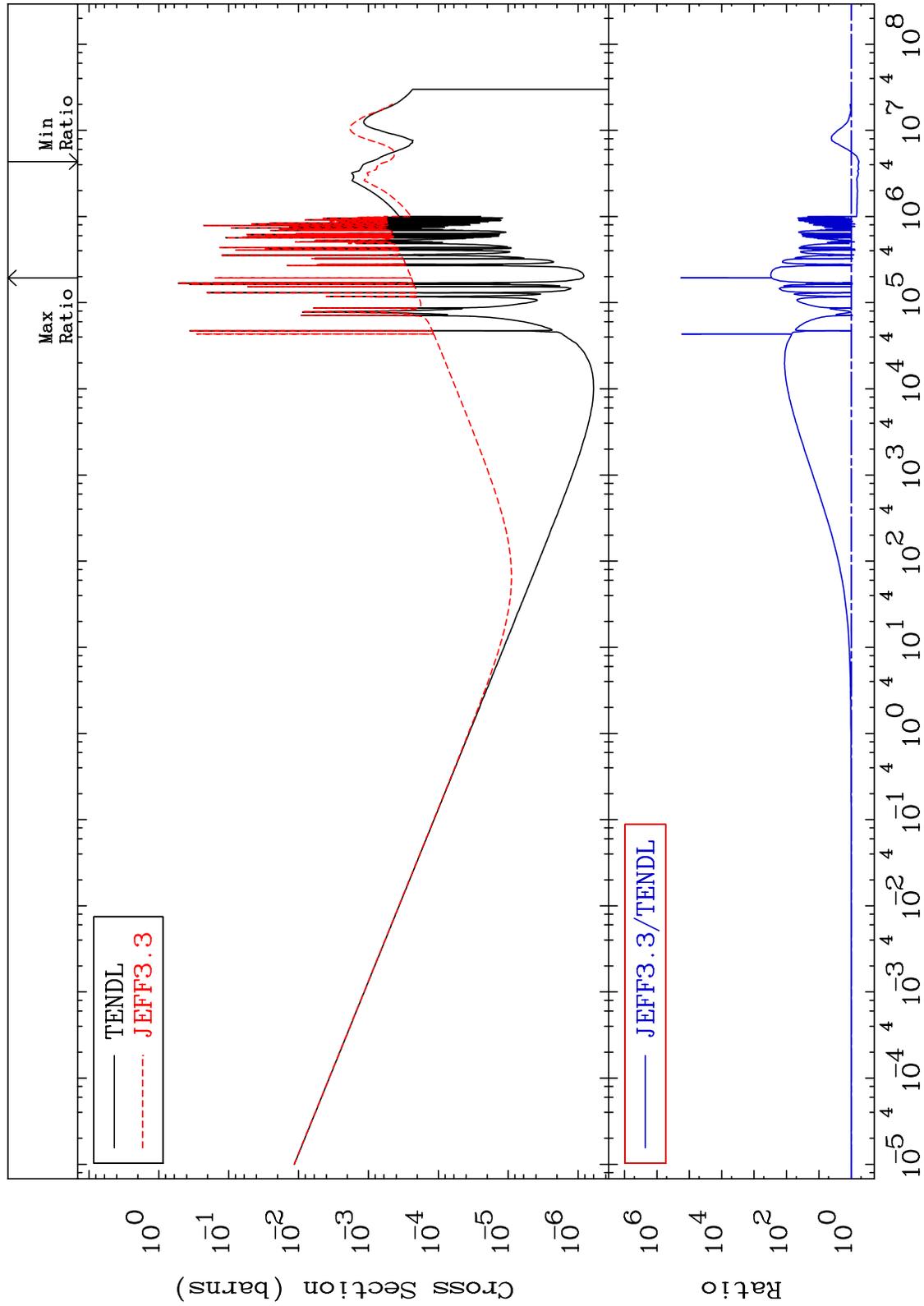
MAT 8237

(n, γ)

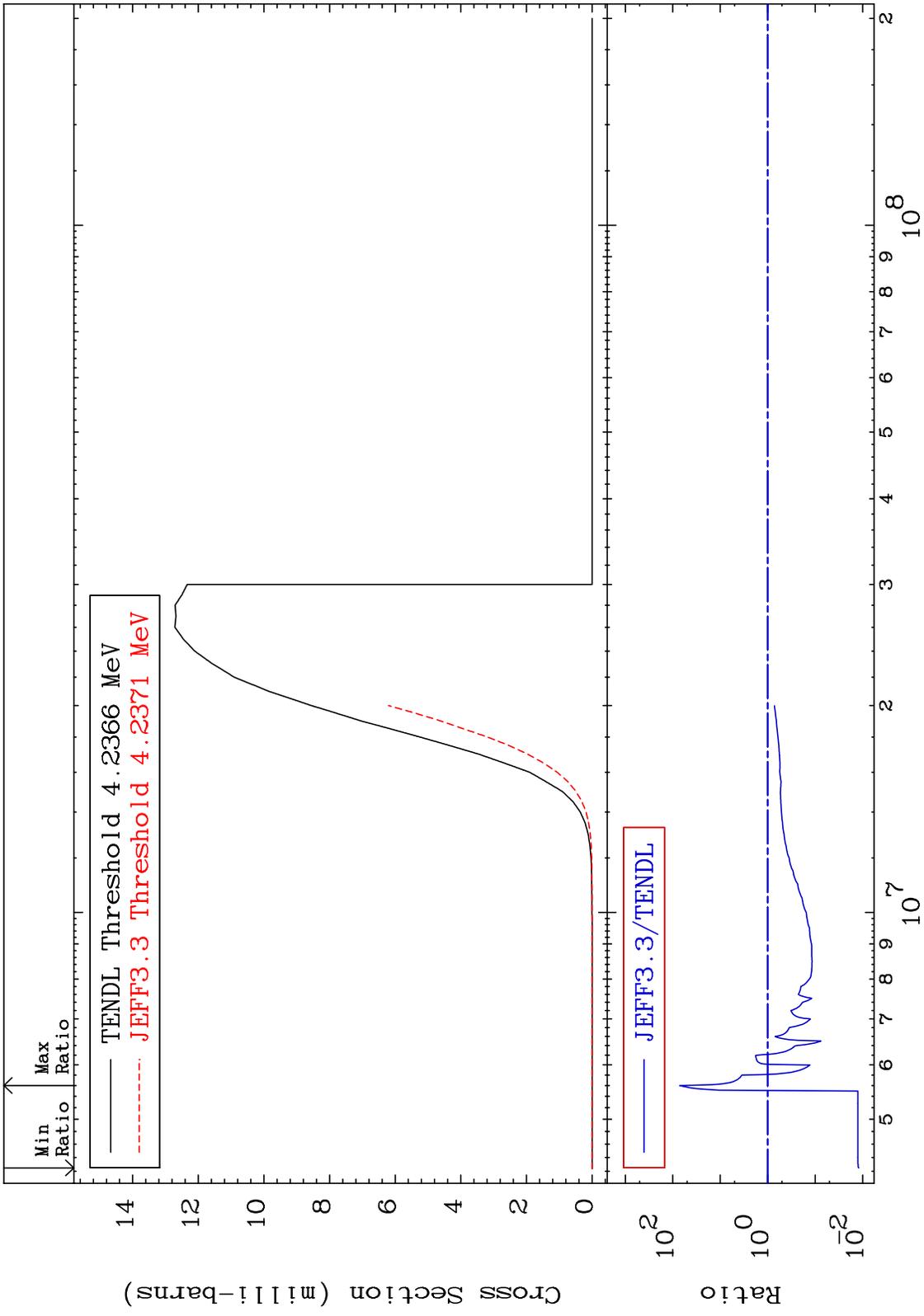
82-Pb-208

Cross Section

-42.88 To 9999. %



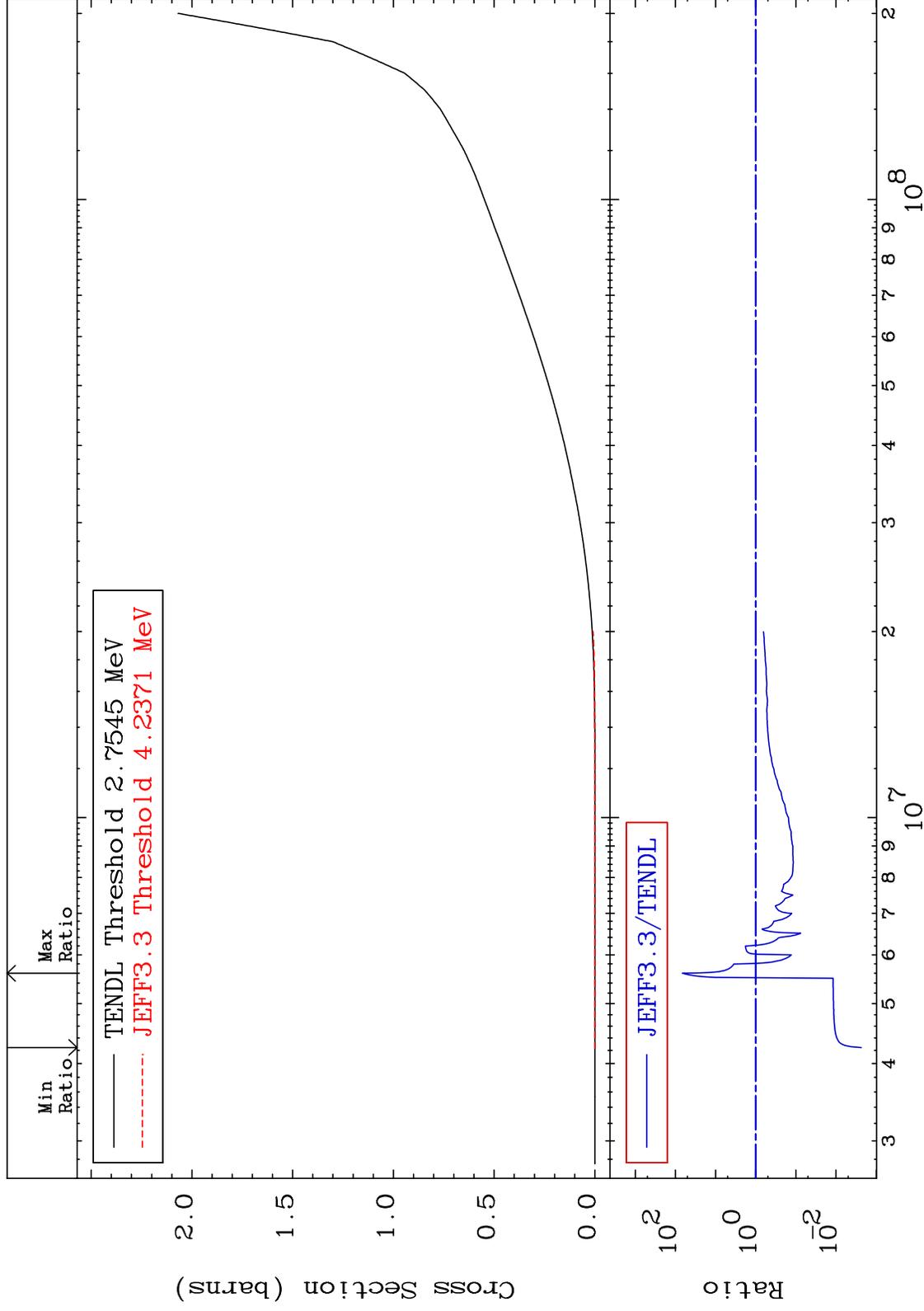
MAT 8237 (n,p) Cross Section 82-Pb-208 -98.79 To 7028. %



MAT 8237

Hydrogen Production
Cross Section

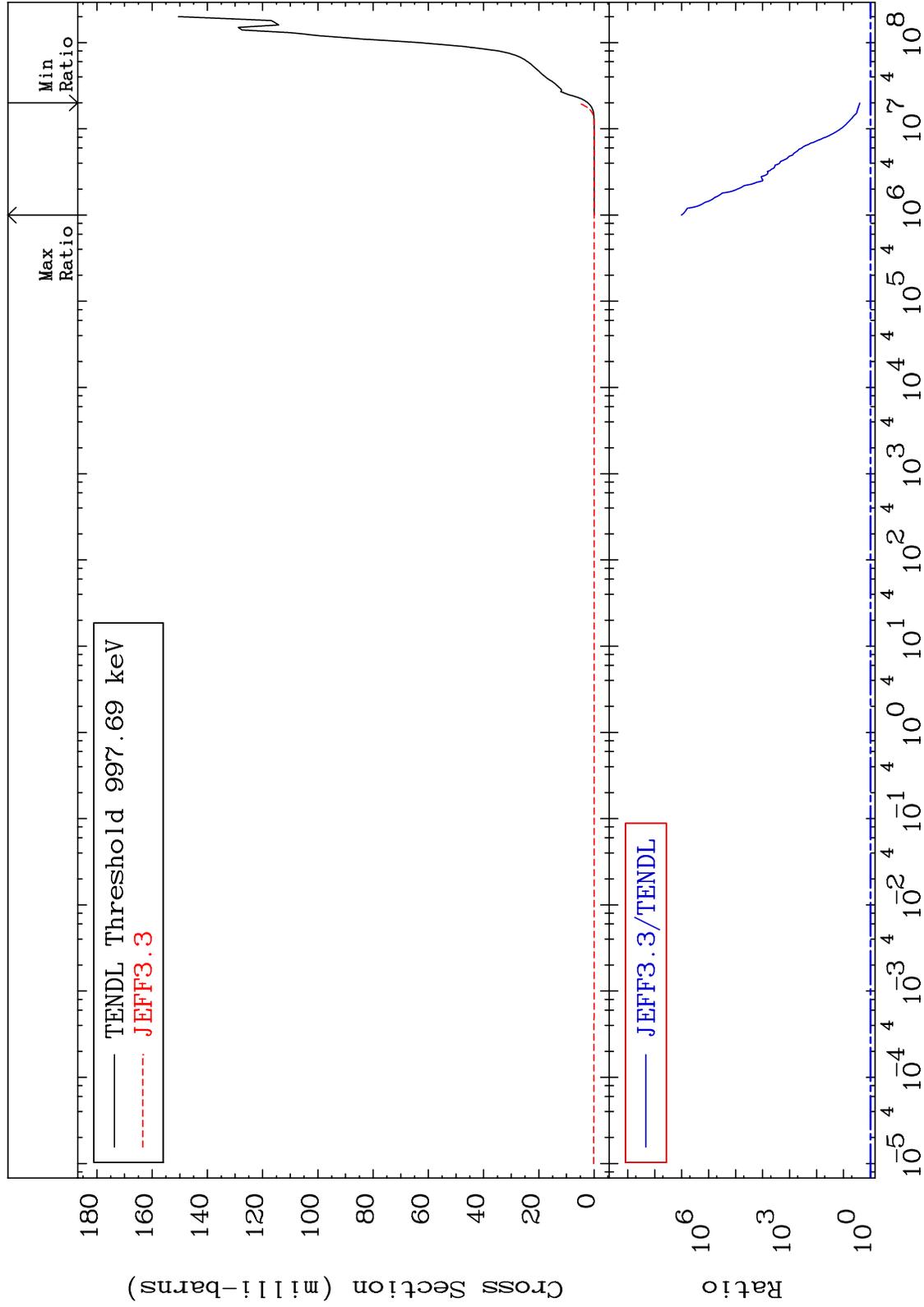
82-Pb-208
-99.77 To 6583. %



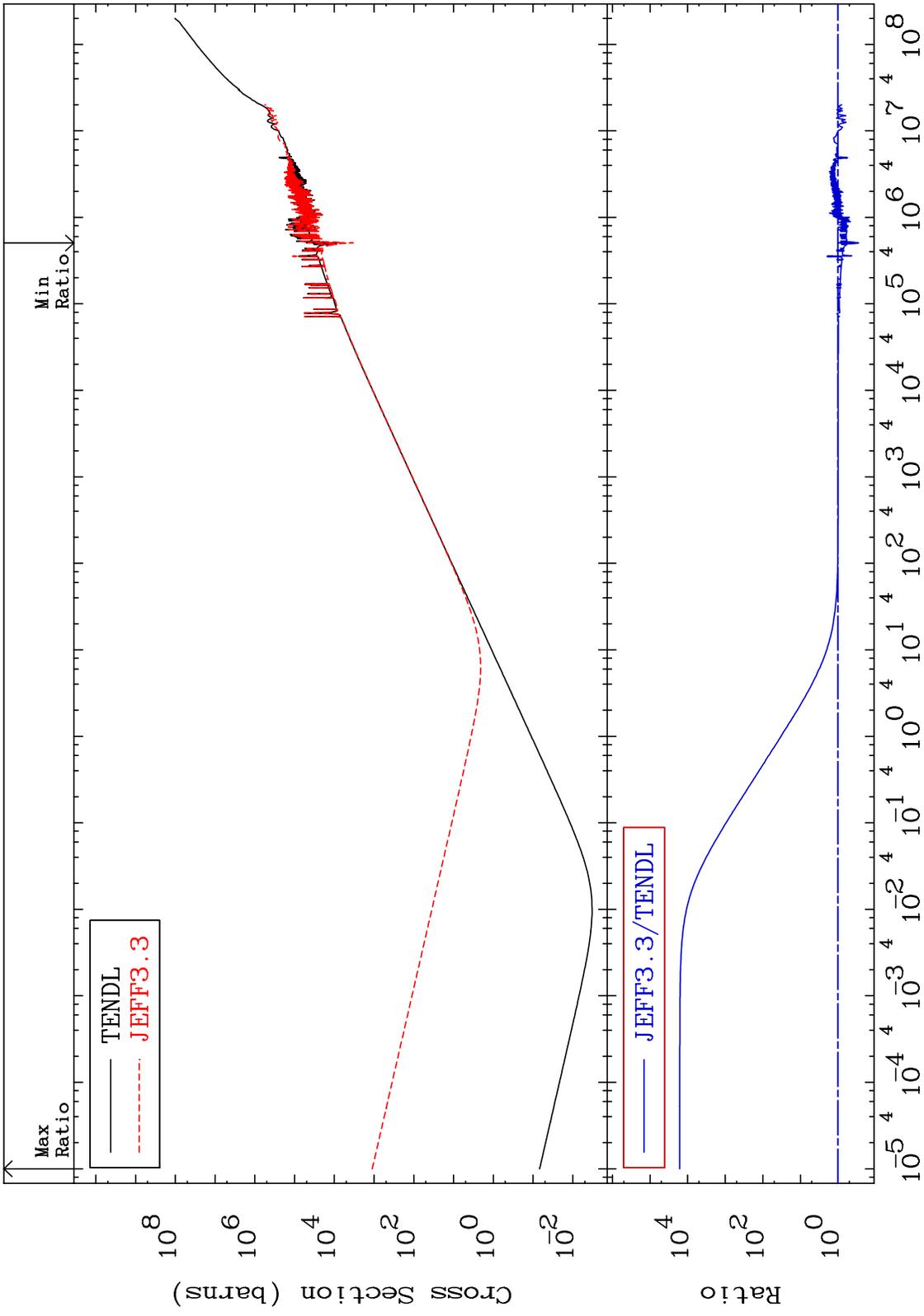
MAT 8237

He-4 Production
Cross Section

148.4 Max Ratio
82-Pb-208 To 9999. %
Min Ratio



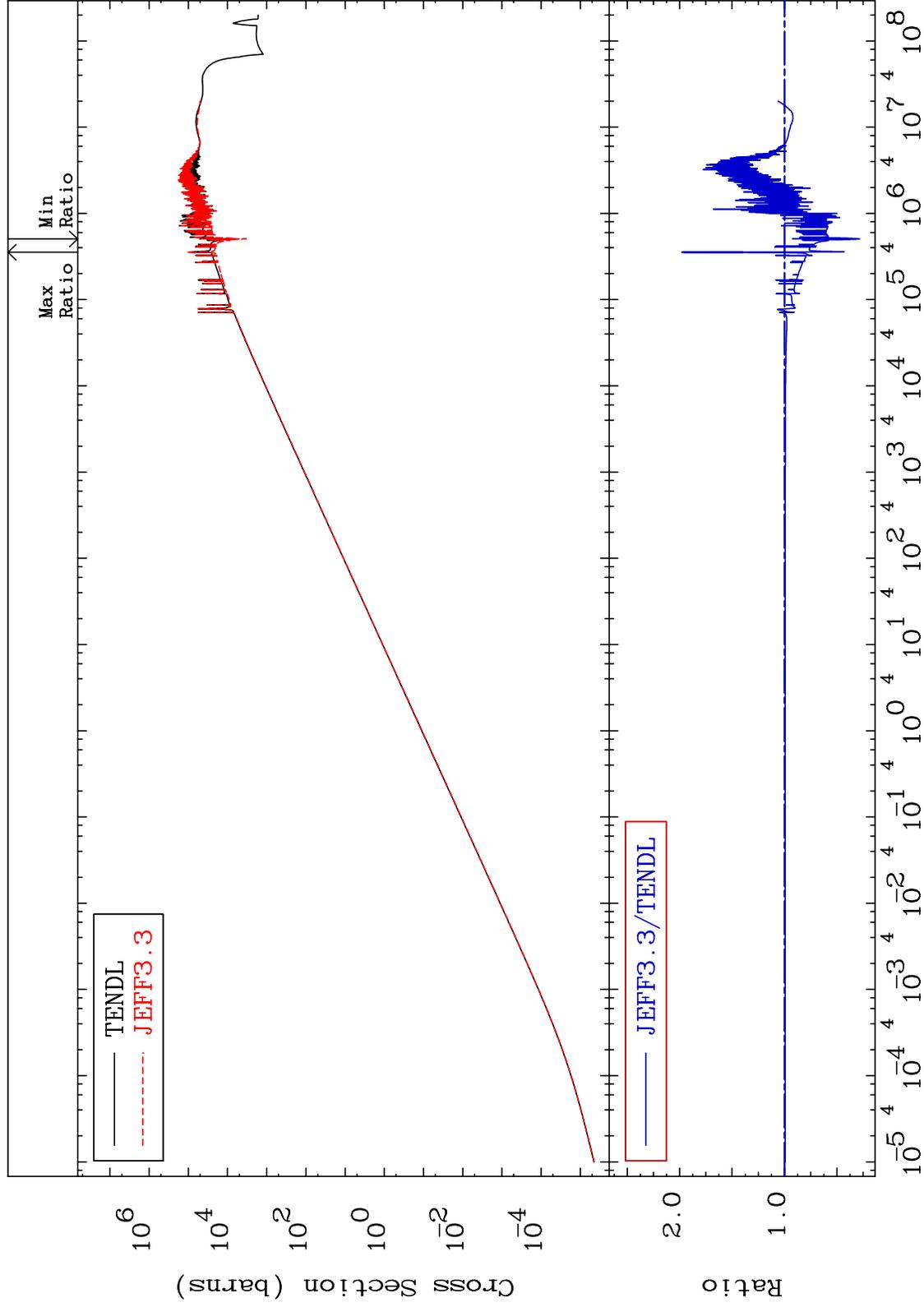
MAT 8237 Kerma total (eV-barns) Cross Section 82-Pb-208
 -71.95 To 9999. %



MAT 8237

Kerma elastic
Cross Section

82-Pb-208
-71.95 To 98.34 %



40

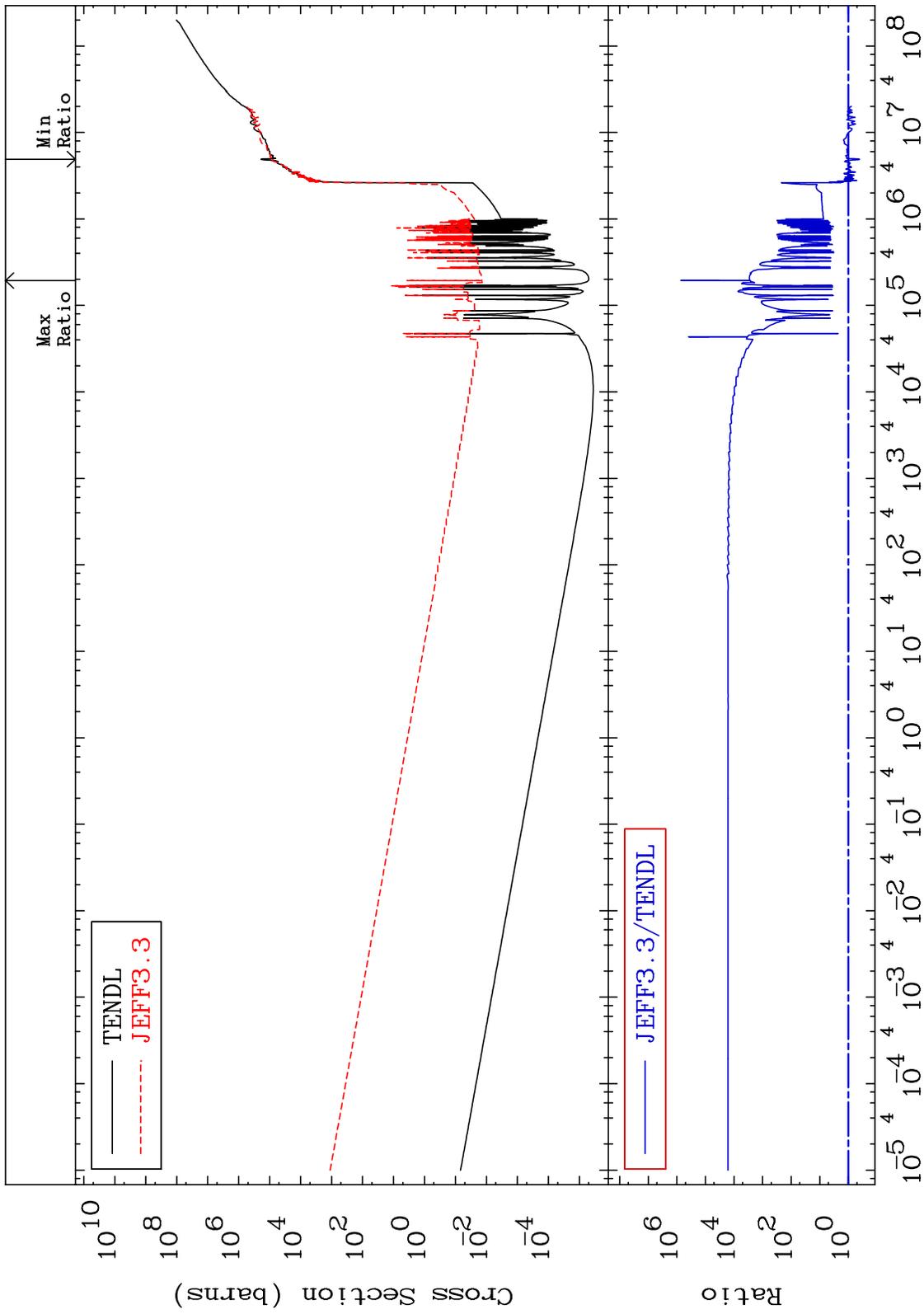
Incident Energy (eV)

82-Pb-208

MAT 8237

Kerma non-elastic (all but mt.2)
Cross Section

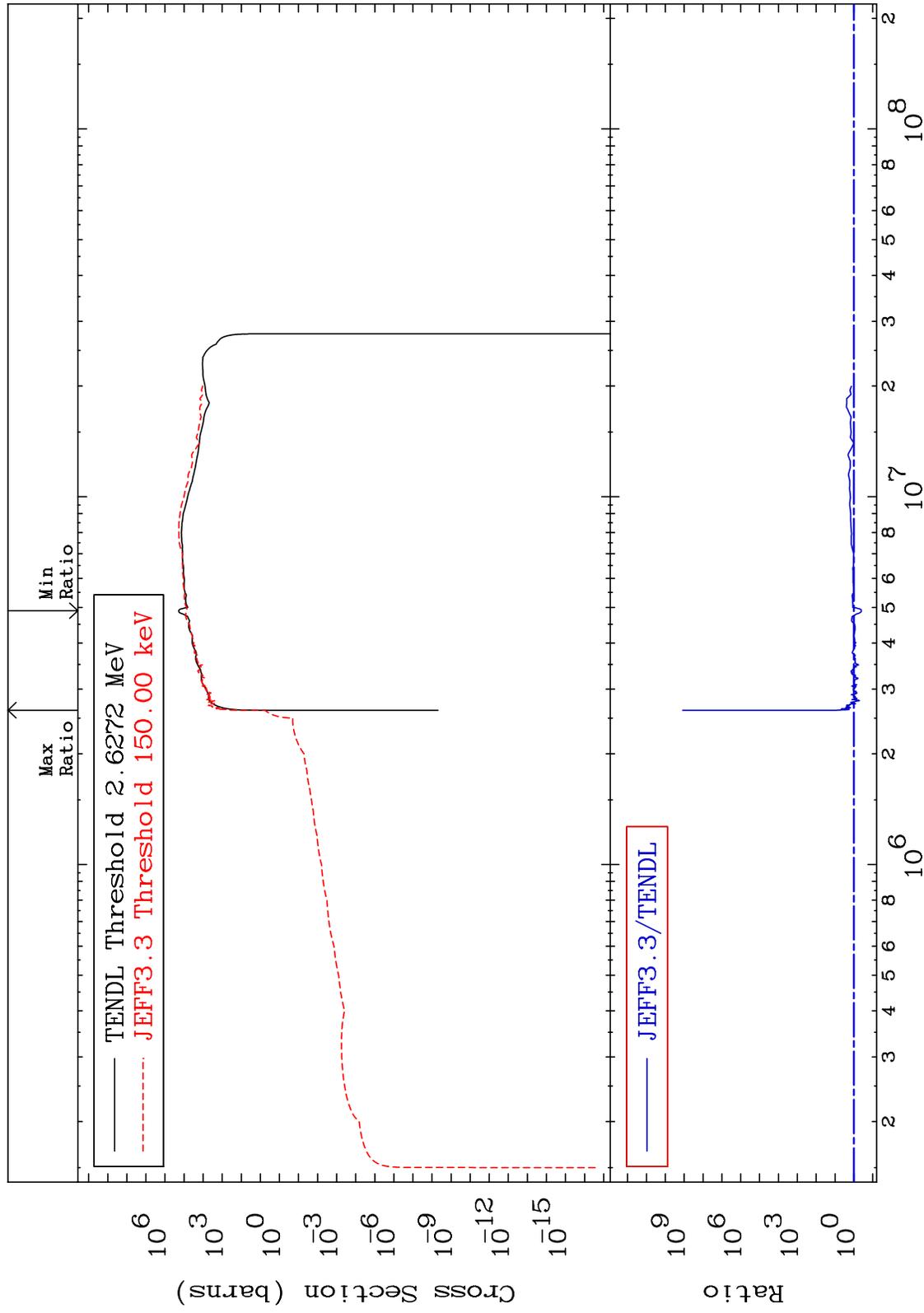
82-Pb-208
-59.86 To 9999. %



MAT 8237

Kerma inelastic (mt51-91)
Cross Section

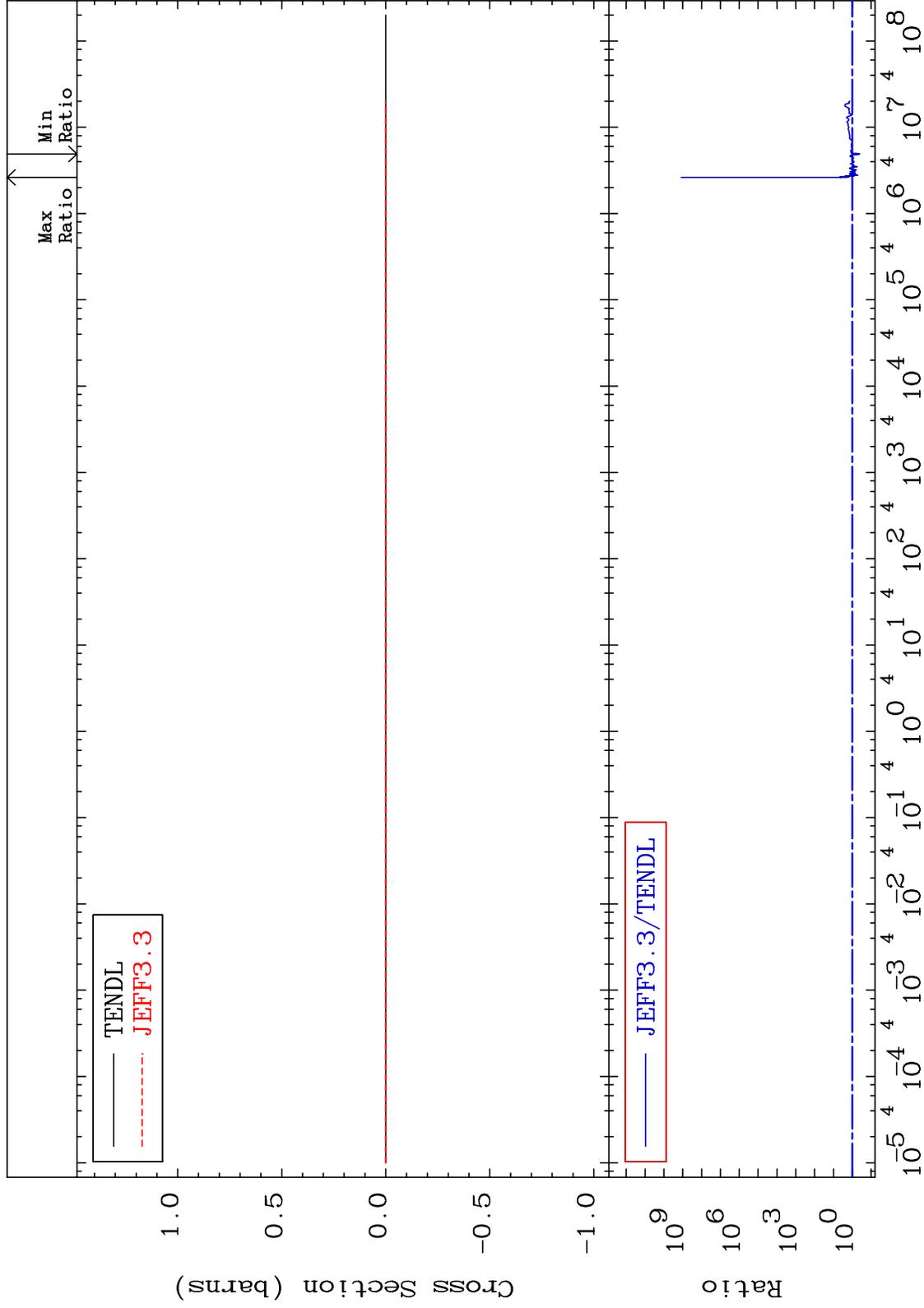
82-Pb-208
-59.87 To 9999. %



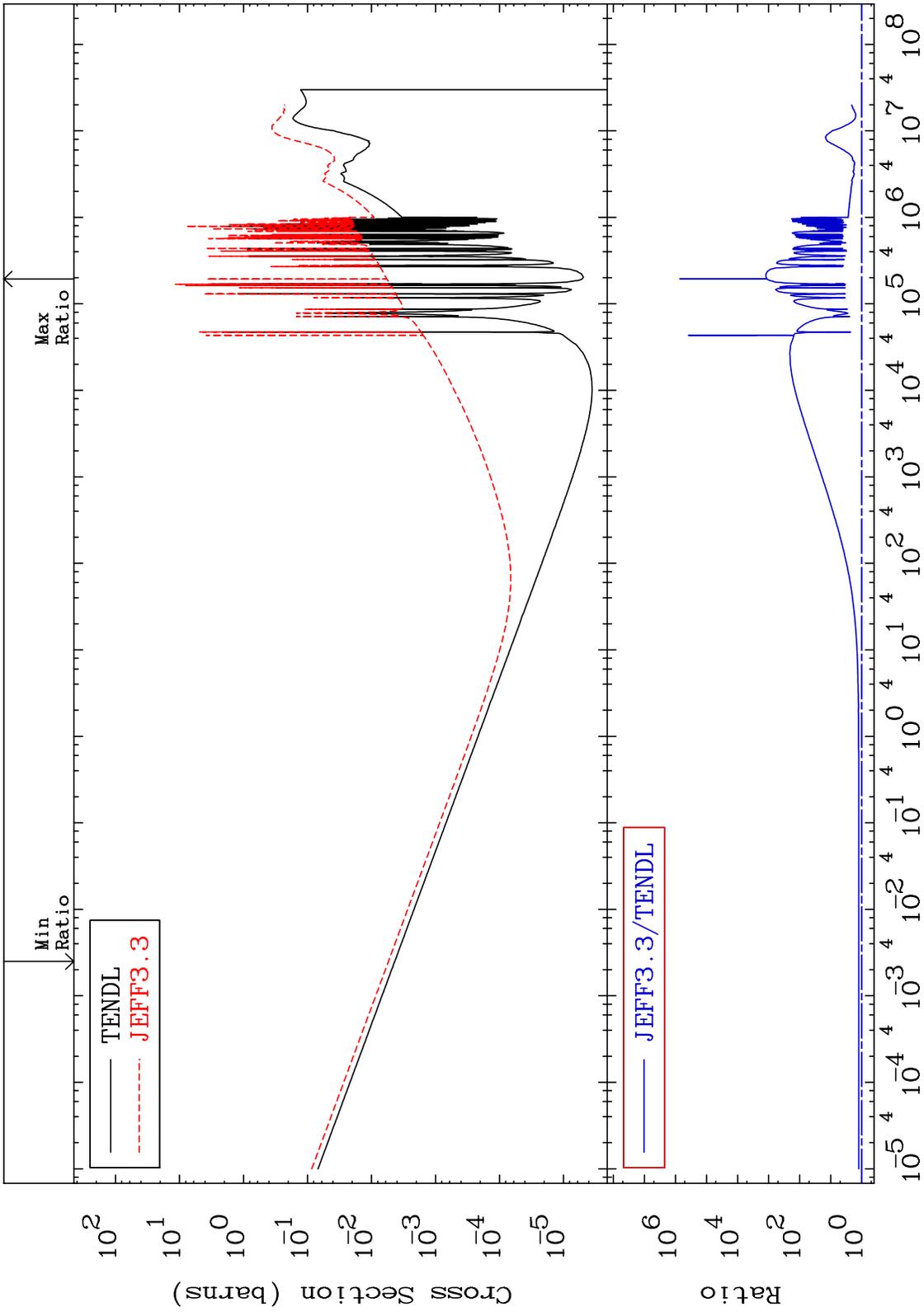
MAT 8237

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

82-Pb-208
-59.87 To 9999. %



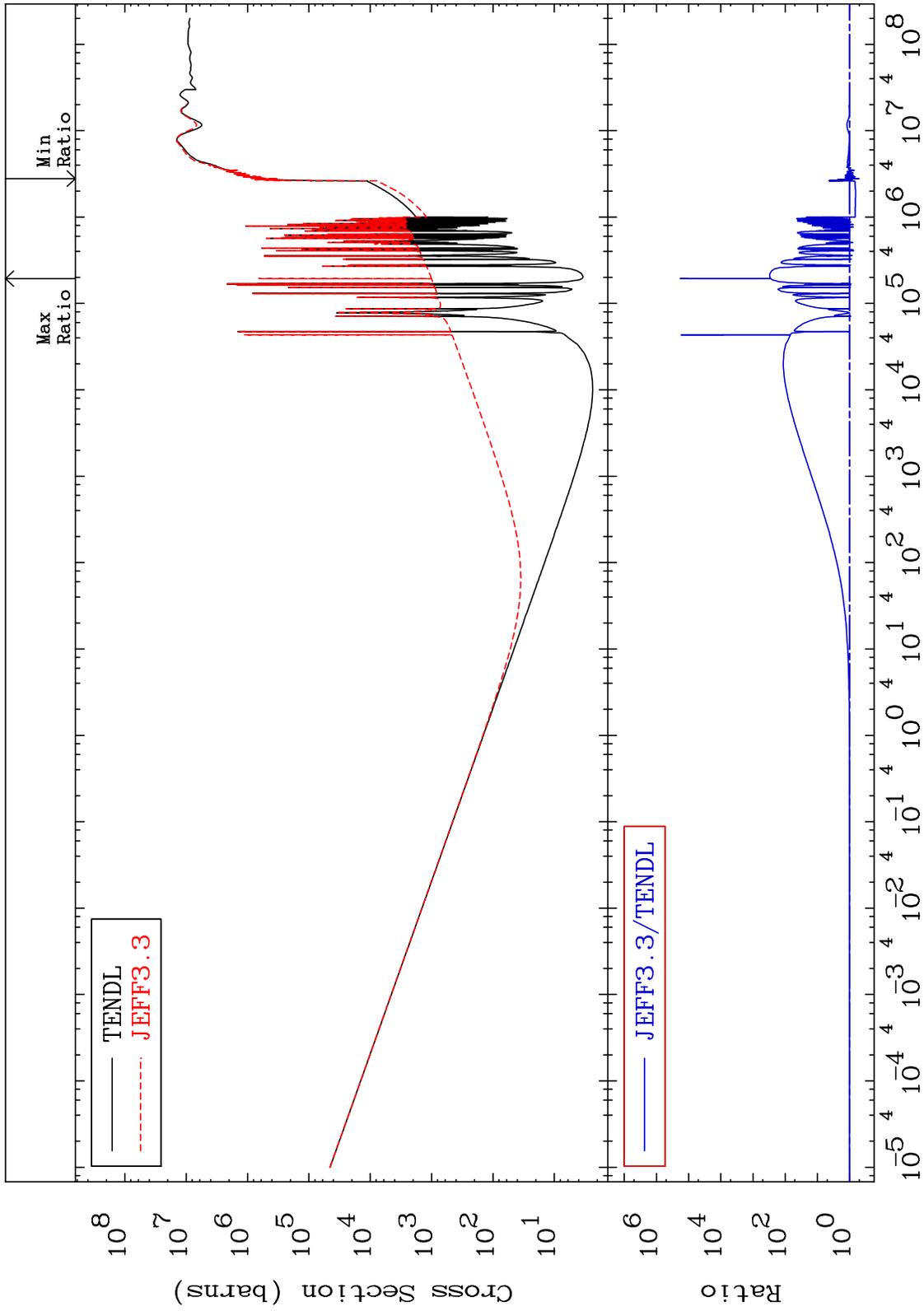
MAT 8237 Kerma capture (mt102) 82-Pb-208
 Cross Section 25.40 To 9999. %



MAT 8237

Total photon (eV-barns)
Cross Section

82-Pb-208
-48.57 To 9999. %

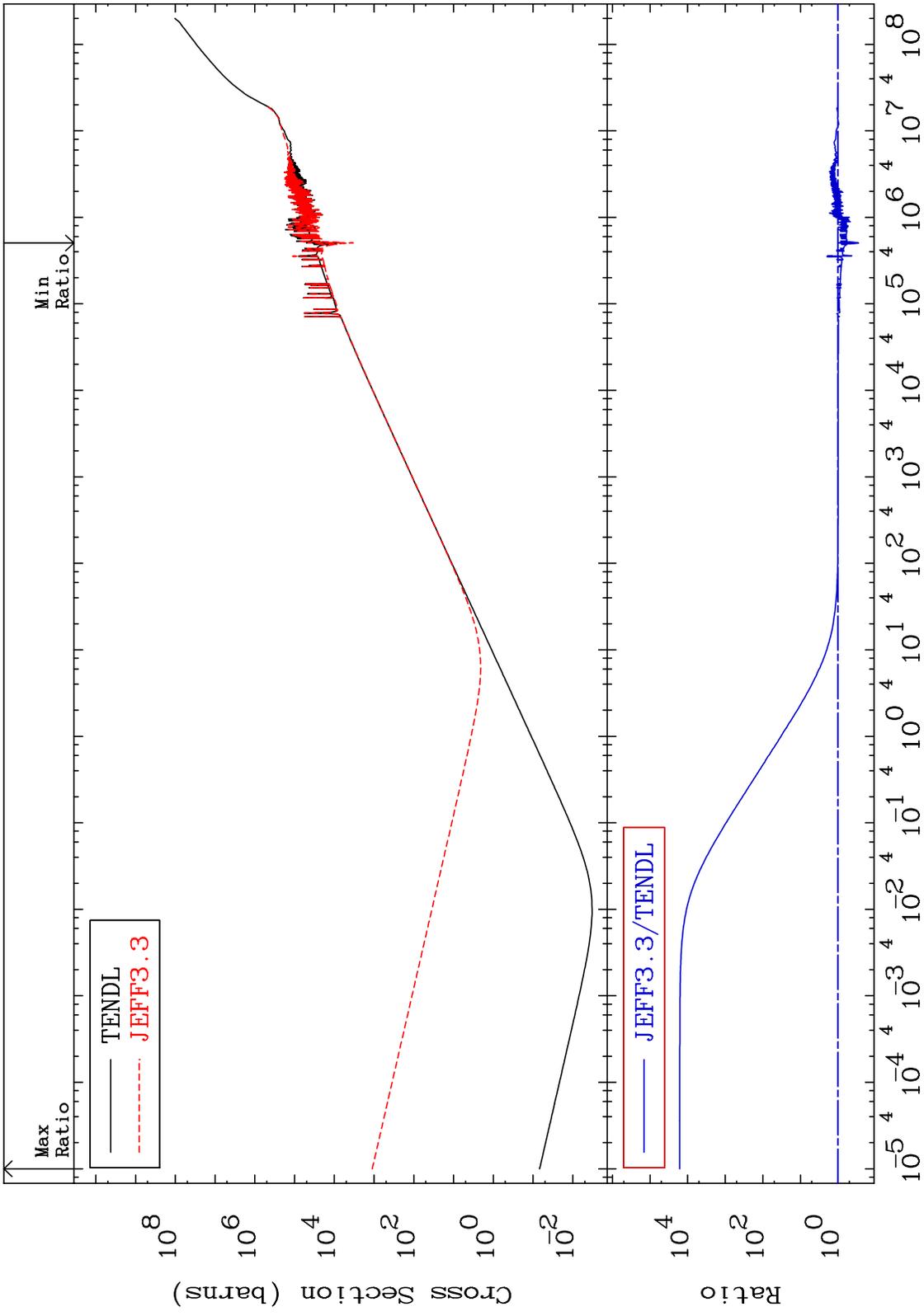


45

Incident Energy (eV)

82-Pb-208

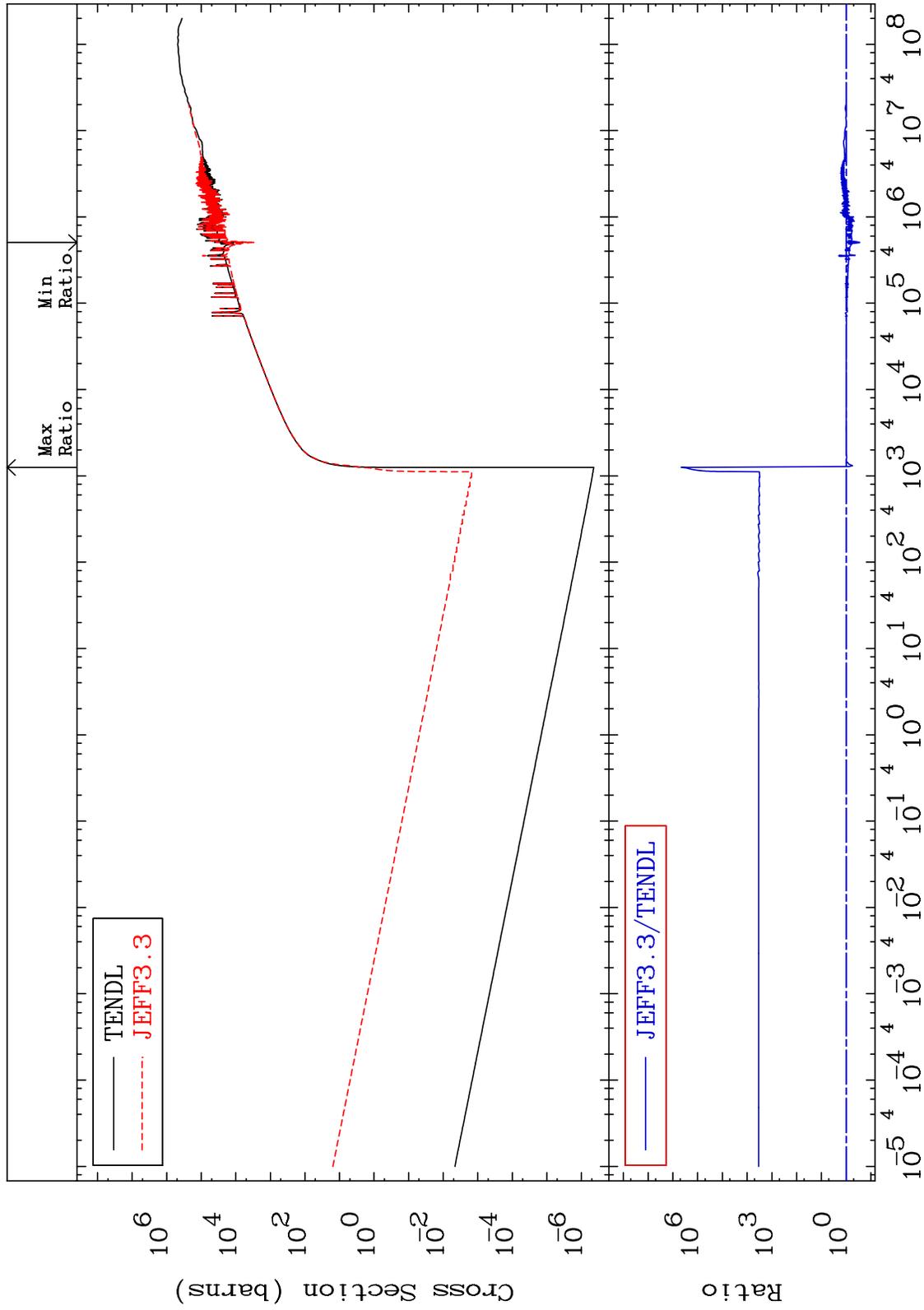
MAT 8237 Total kinematic kerma (high limit) 82-Pb-208
 Cross Section -71.95 To 9999. %



MAT 8237

Dpa total (eV-barns)
Cross Section

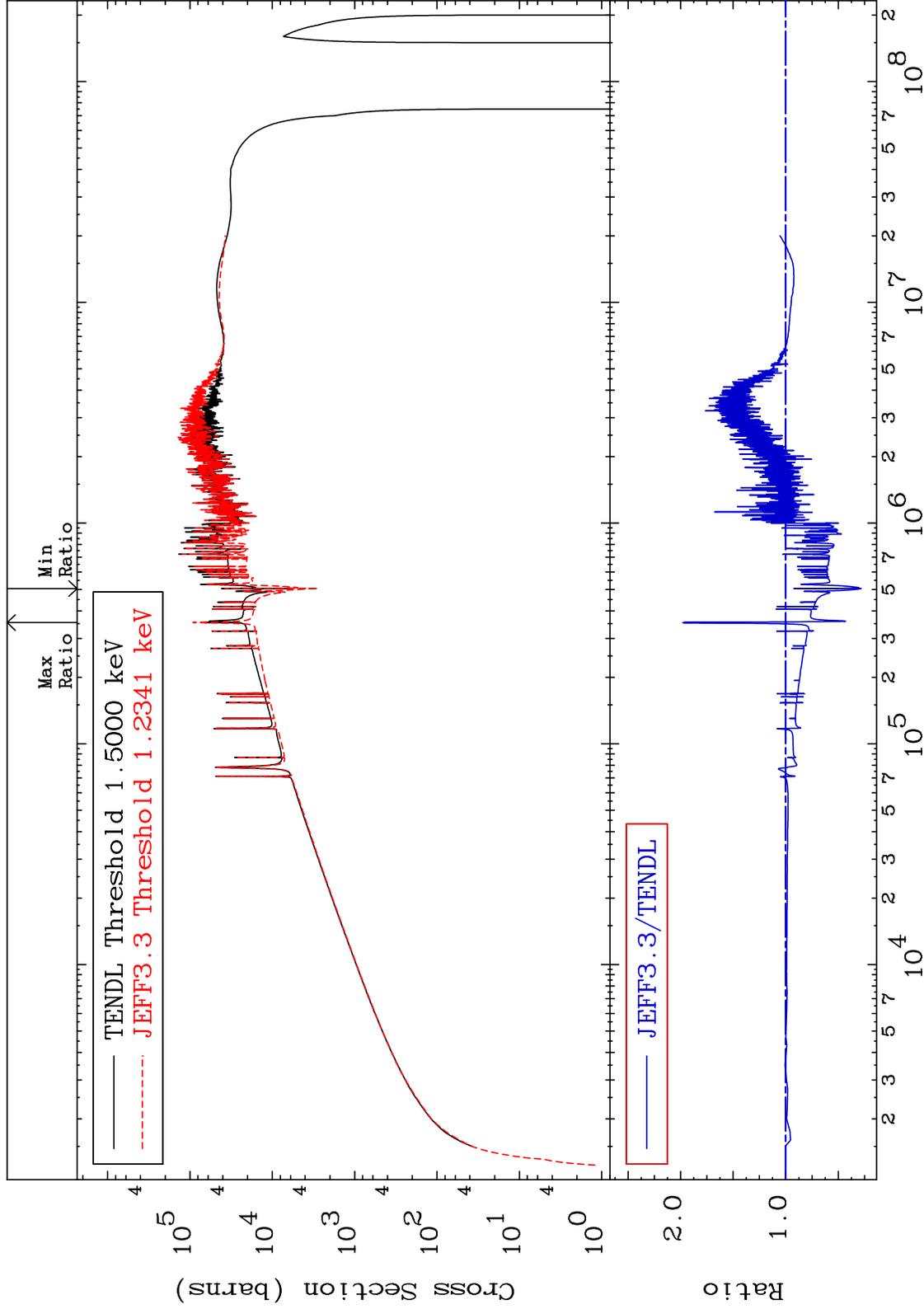
82-Pb-208
-71.97 To 9999. %



MAT 8237

Dpa elastic (mt2)
Cross Section

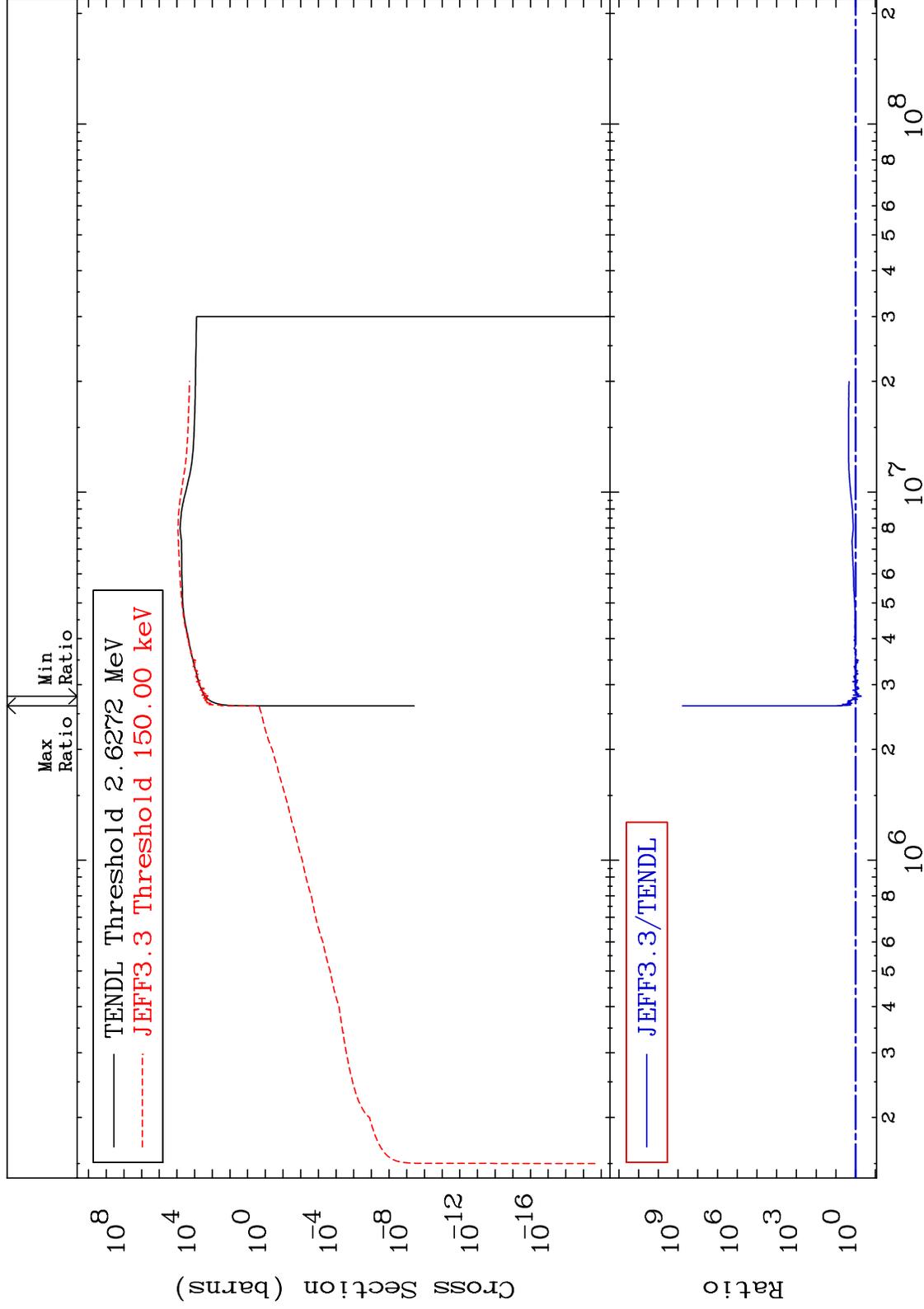
82-Pb-208
-71.97 To 98.28 %



MAT 8237

Dpa inelastic (mt51-91)
Cross Section

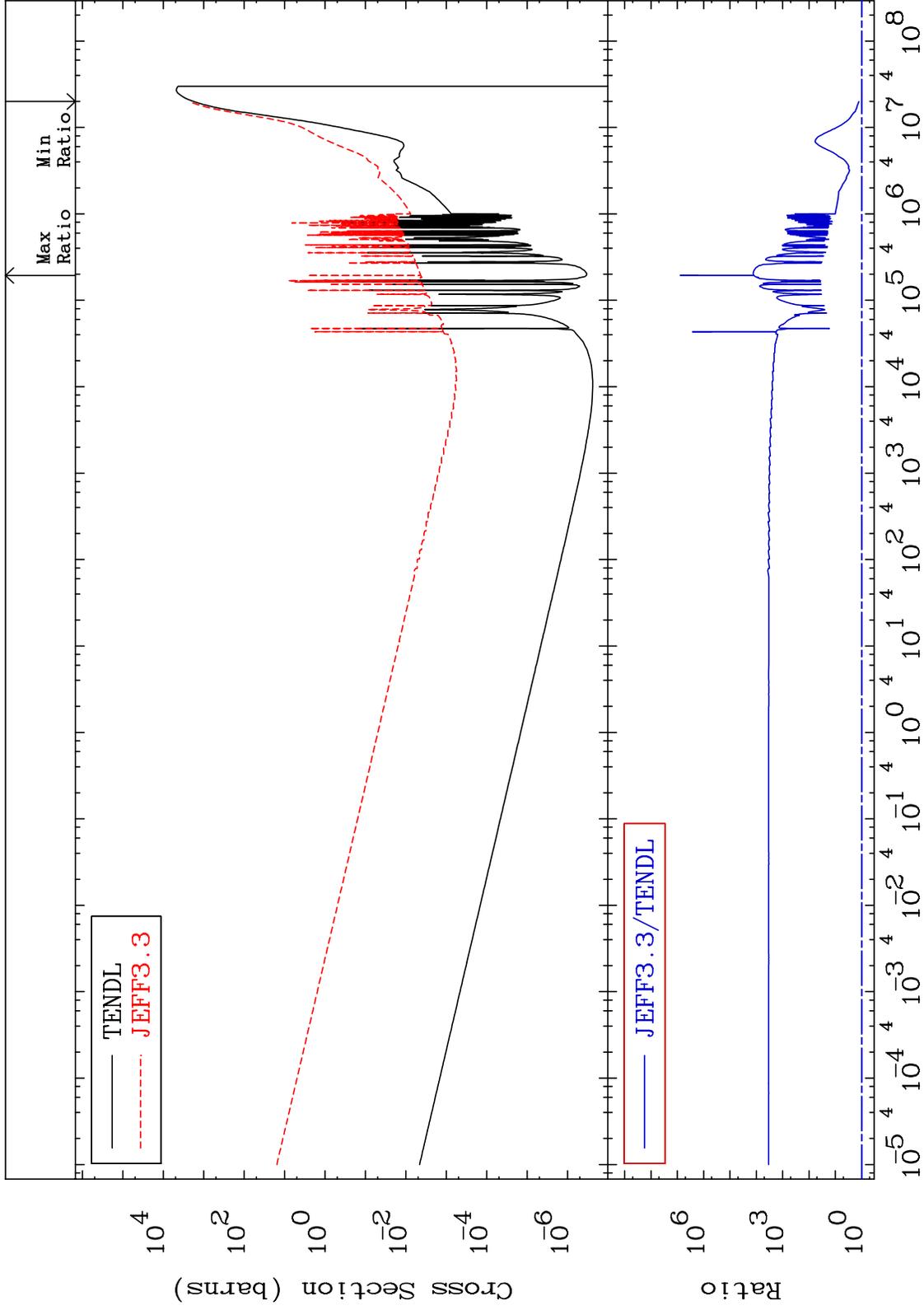
82-Pb-208
-48.96 To 9999. %



MAT 8237

Dpa disappearance (mt102 -120)
Cross Section

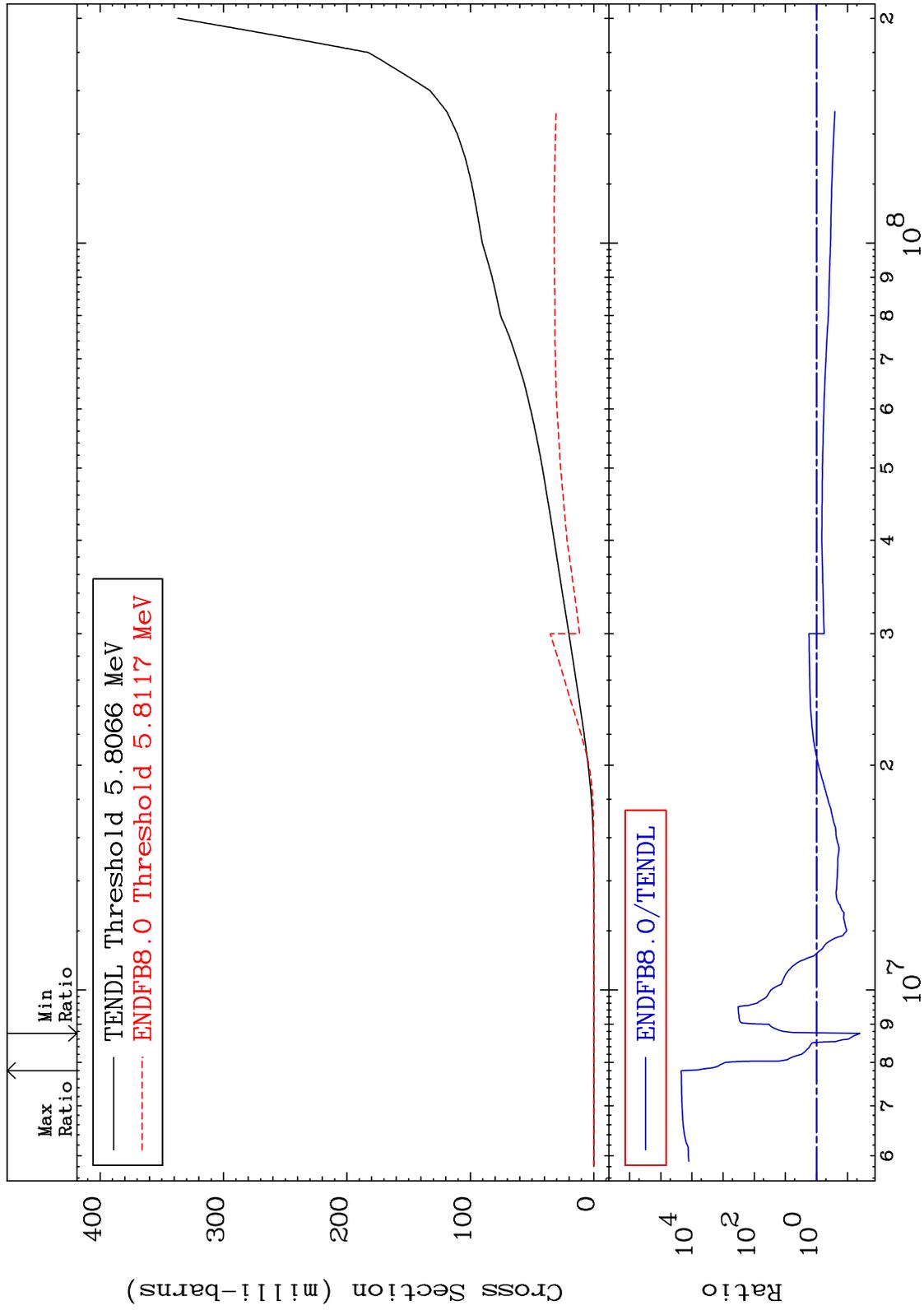
82-Pb-208
27.49 To 9999. %

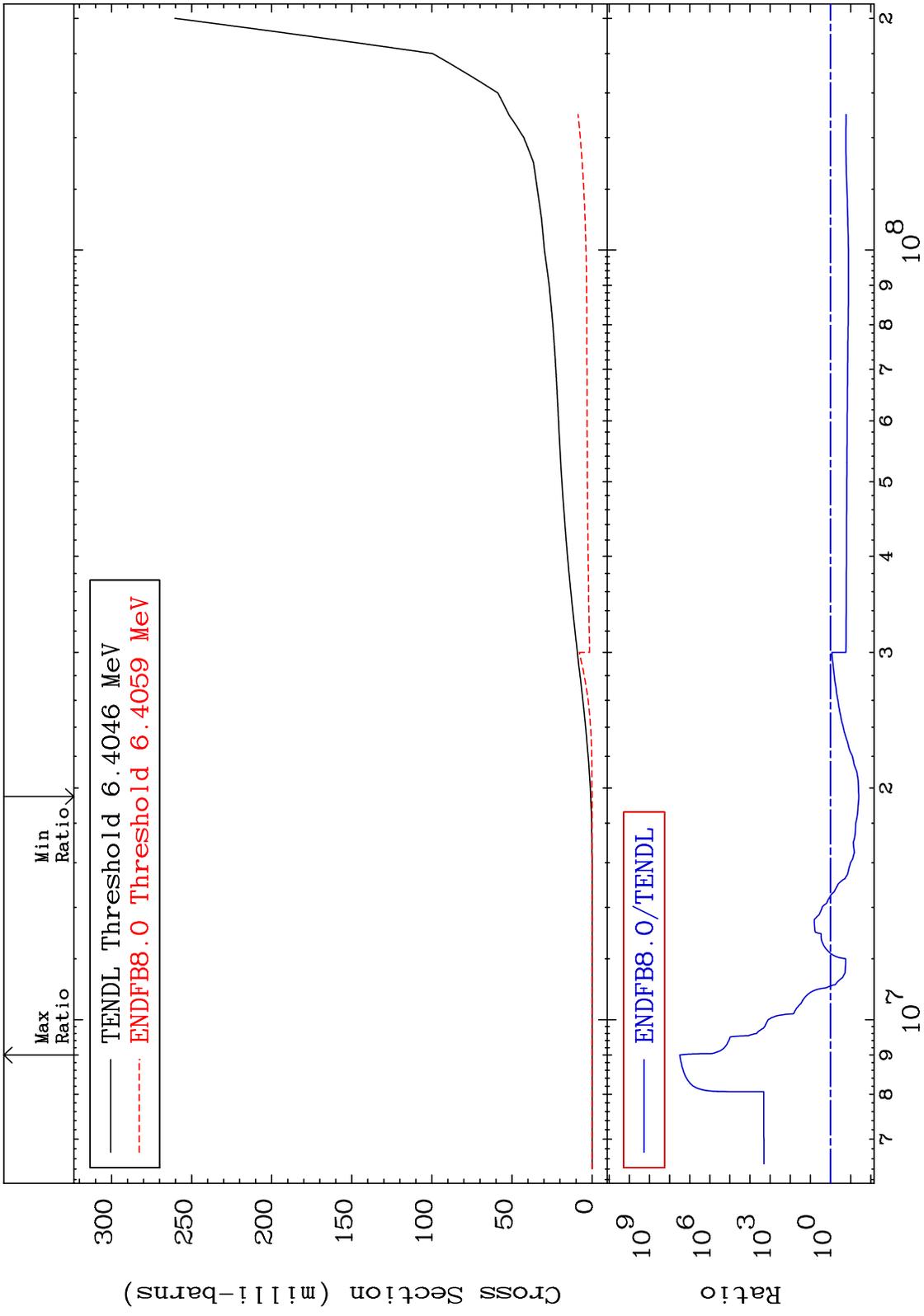


MAT 8237

Deuterium Production
Cross Section

82-Pb-208
-95.93 To 9999. %

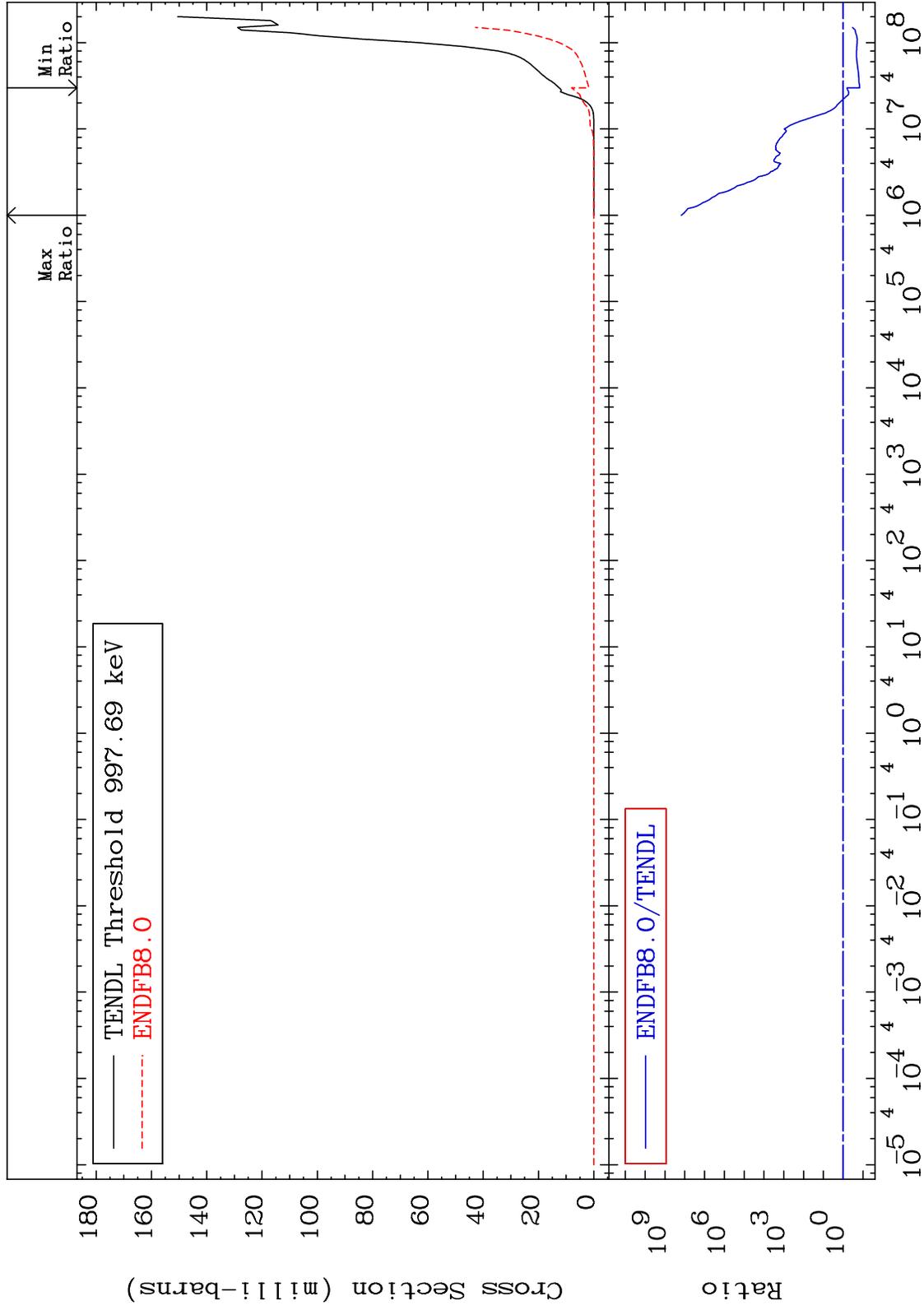




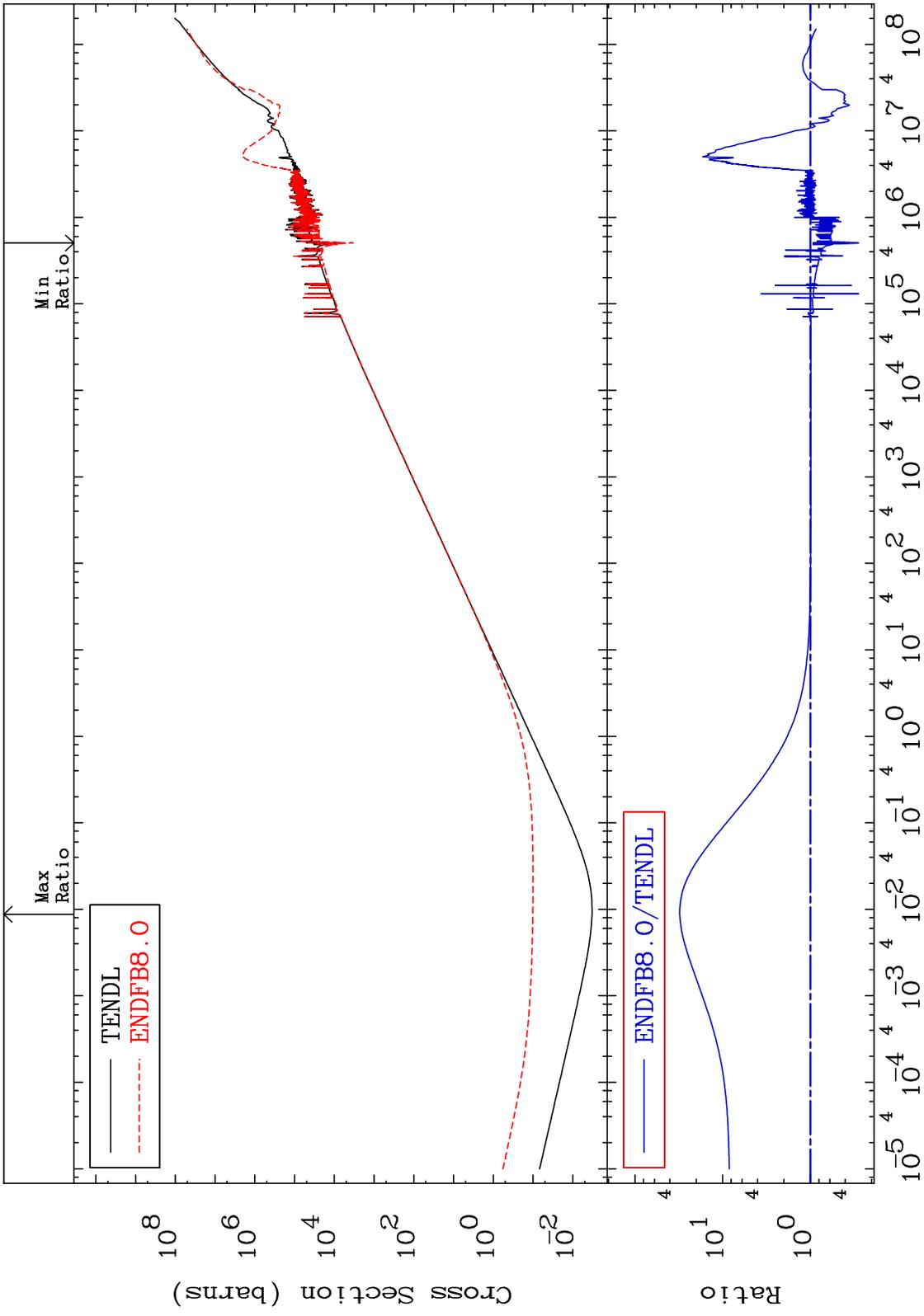
MAT 8237

He-4 Production
Cross Section

82-Pb-208
-85.61 To 9999. %



MAT 8237 Kerma total (eV-barns) 82-Pb-208
 Cross Section -71.98 To 2986. %

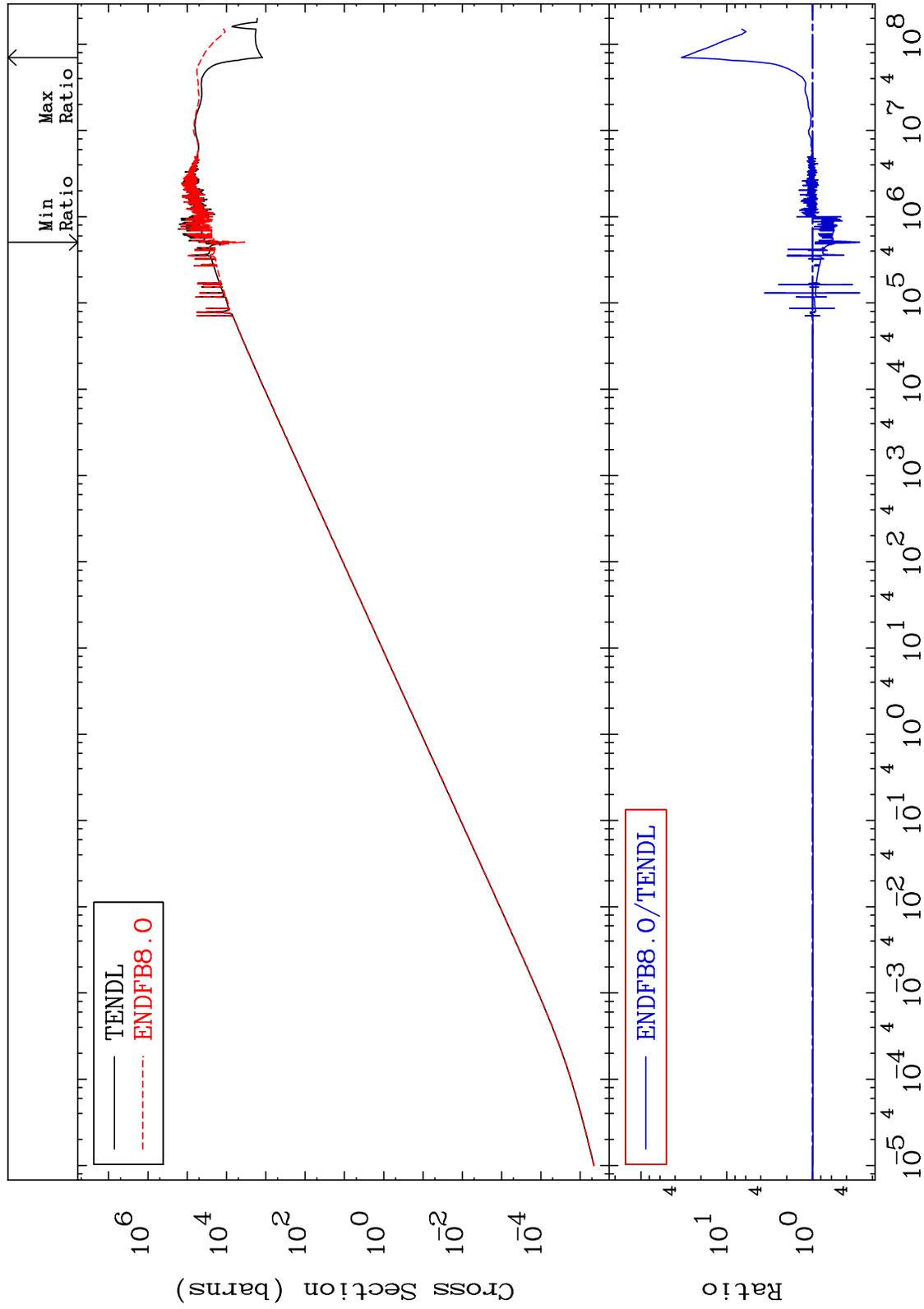


54 Incident Energy (eV) 82-Pb-208

MAT 8237

Kerma elastic
Cross Section

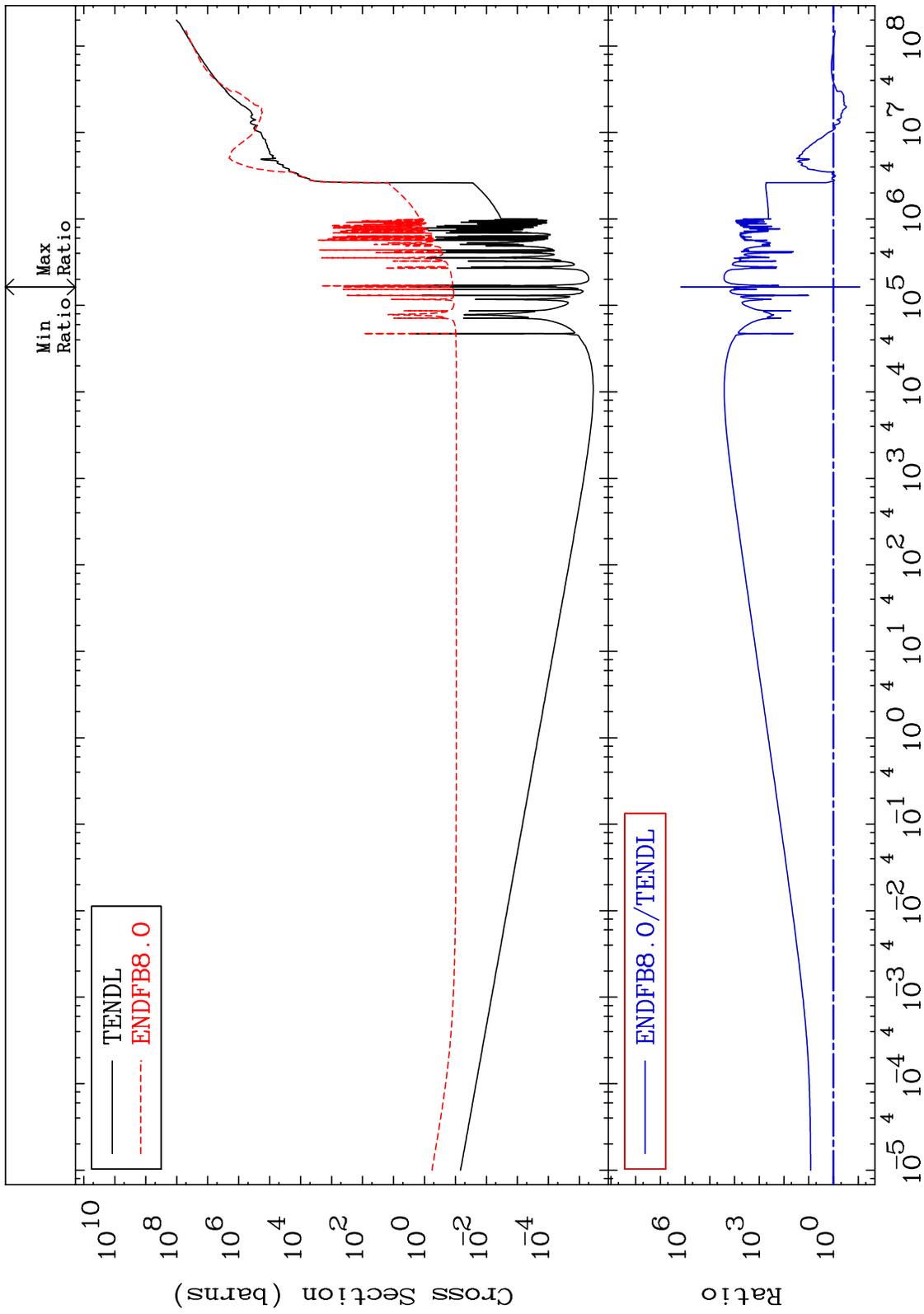
82-Pb-208
-71.99 To 3273. %

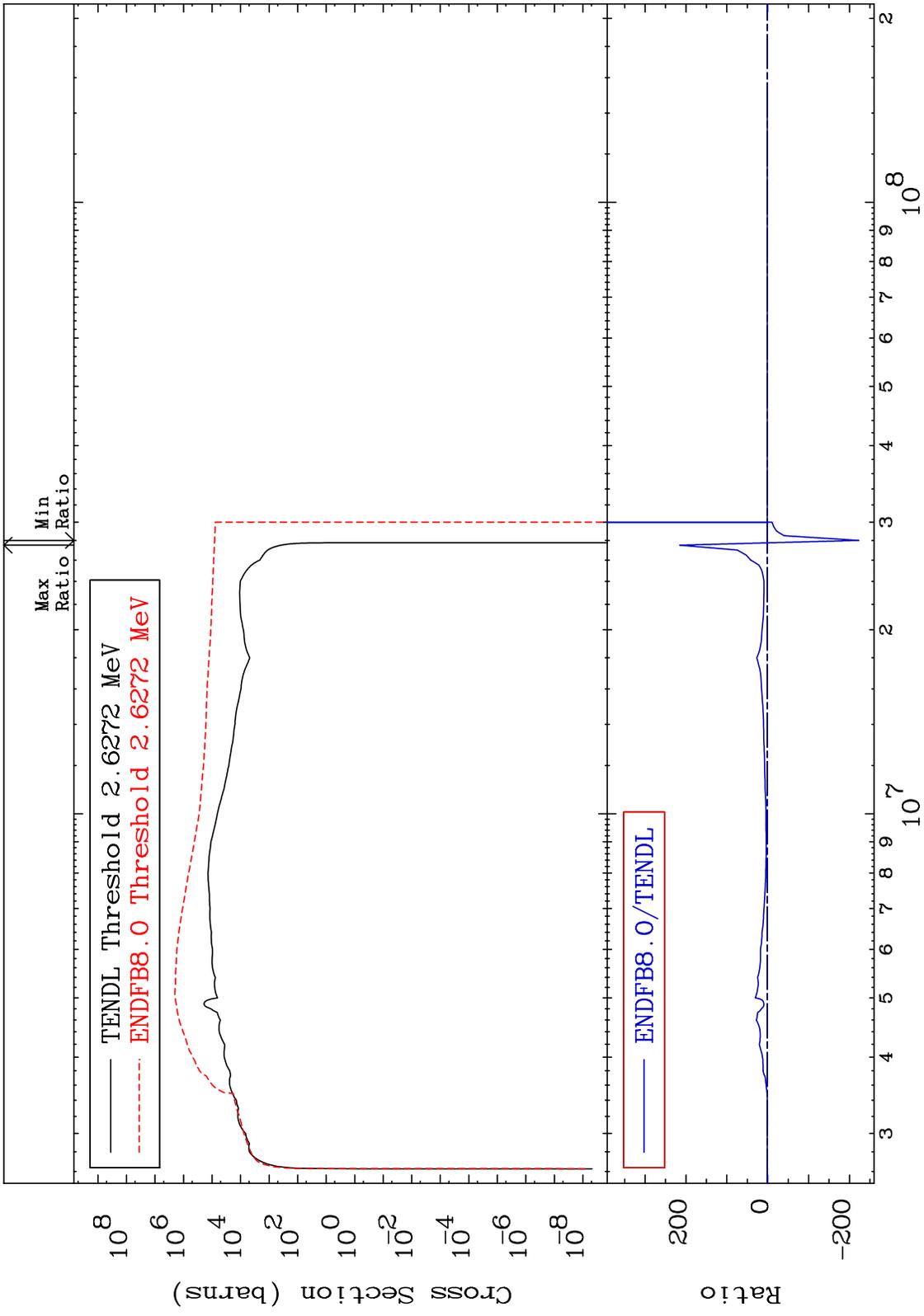


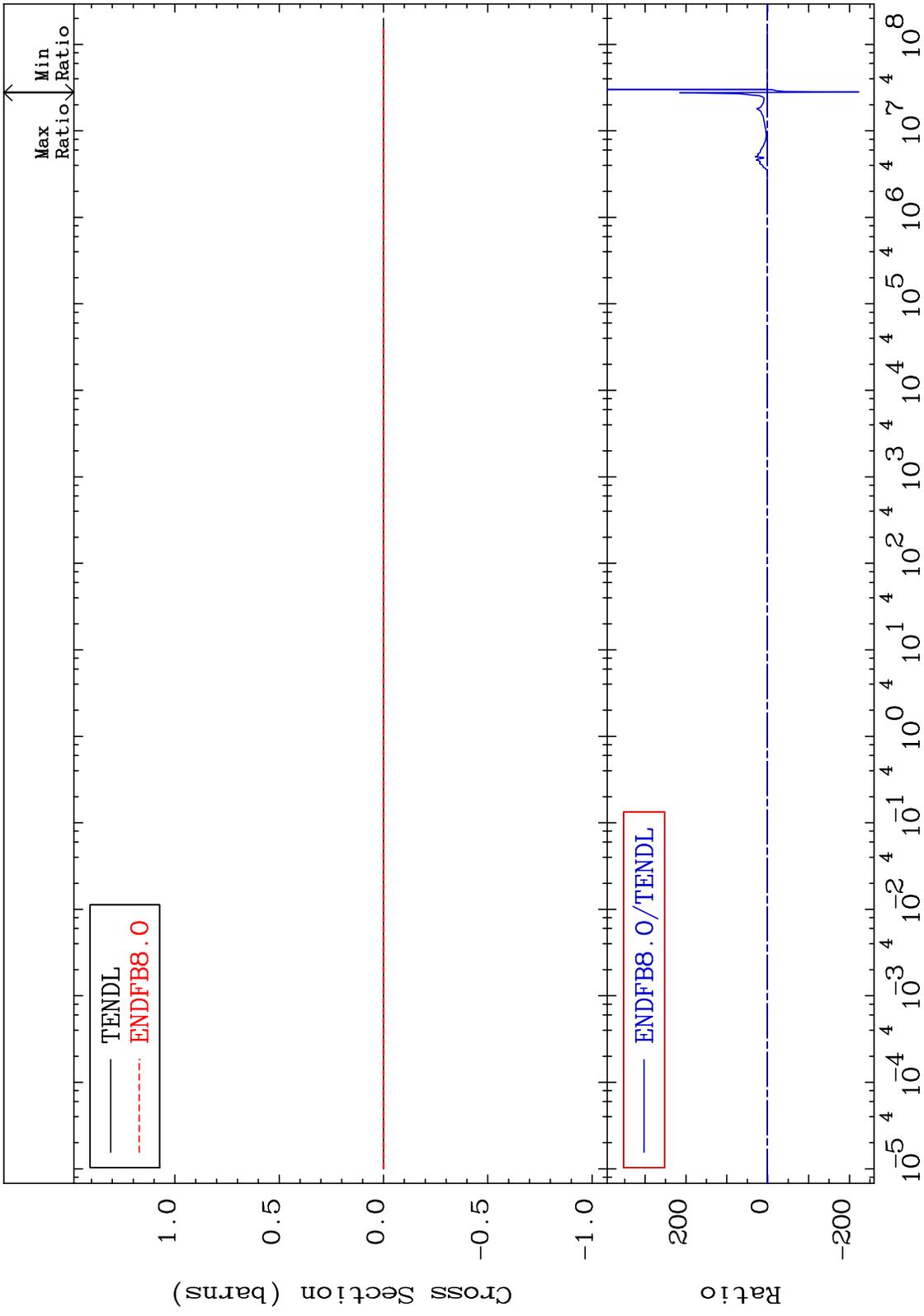
MAT 8237

Kerma non-elastic (all but mt2)
Cross Section

82-Pb-208
-91.27 To 9999. %



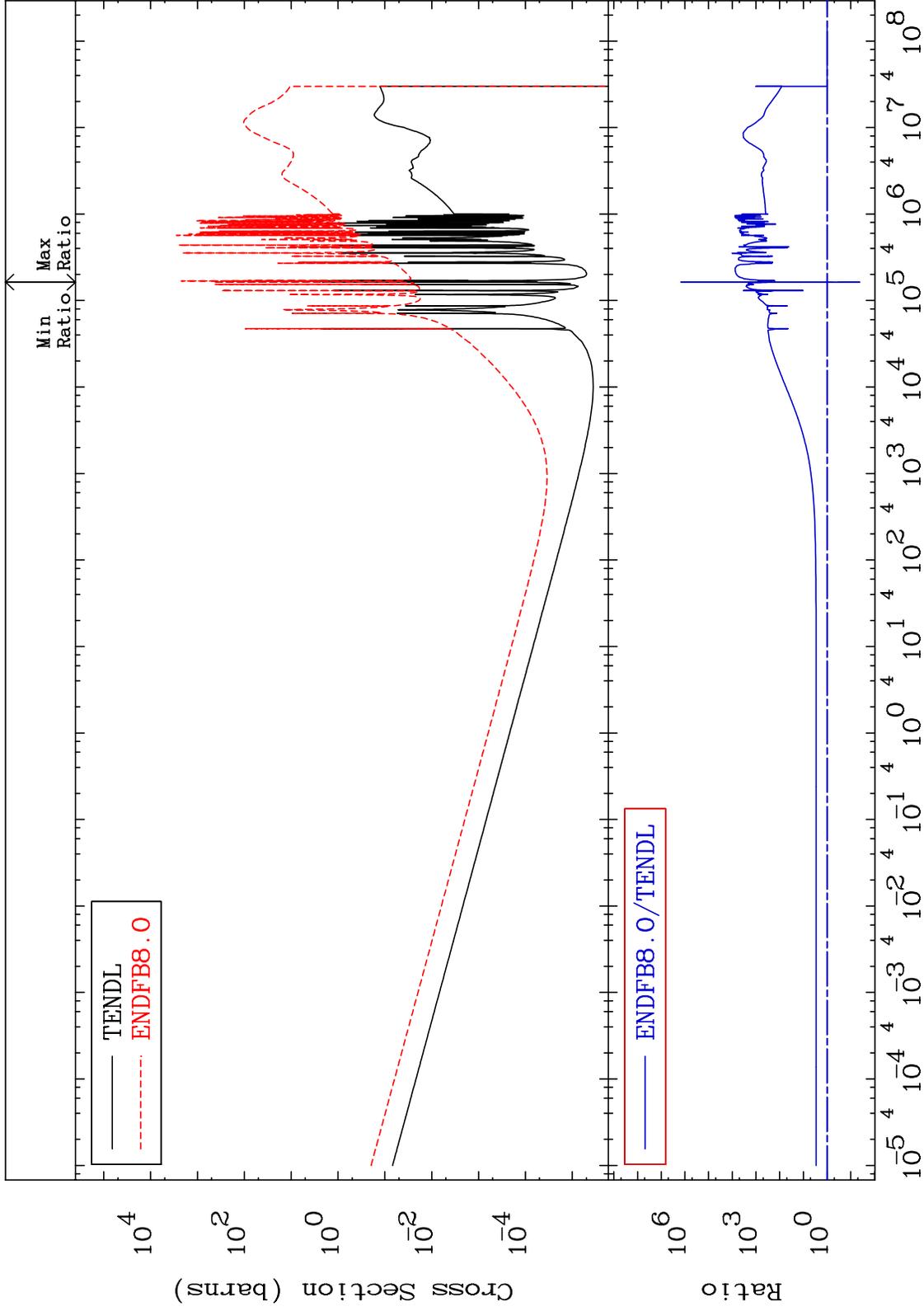




MAT 8237

Kerma capture (mt102)
Cross Section

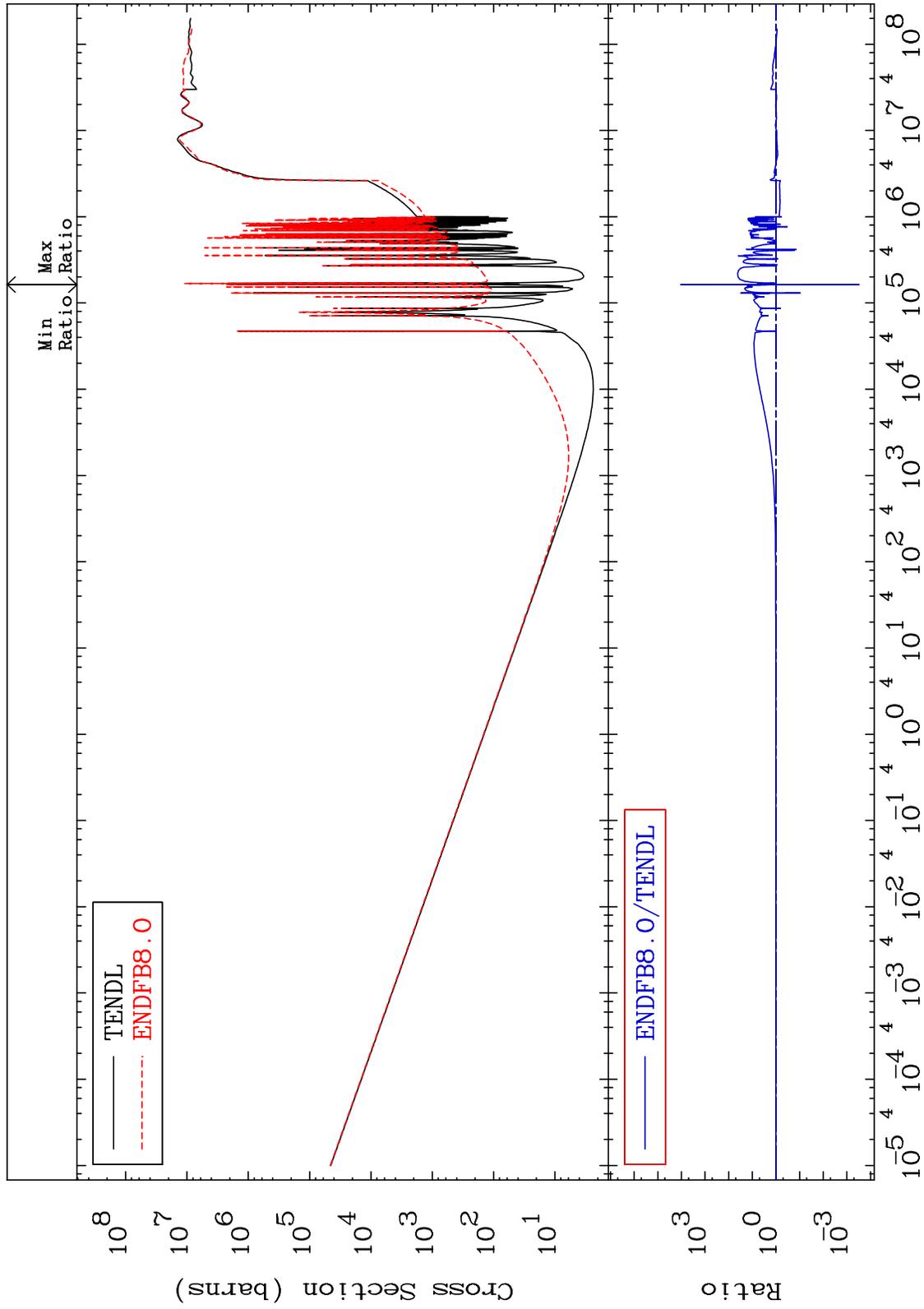
82-Pb-208
-95.81 To 9999. %



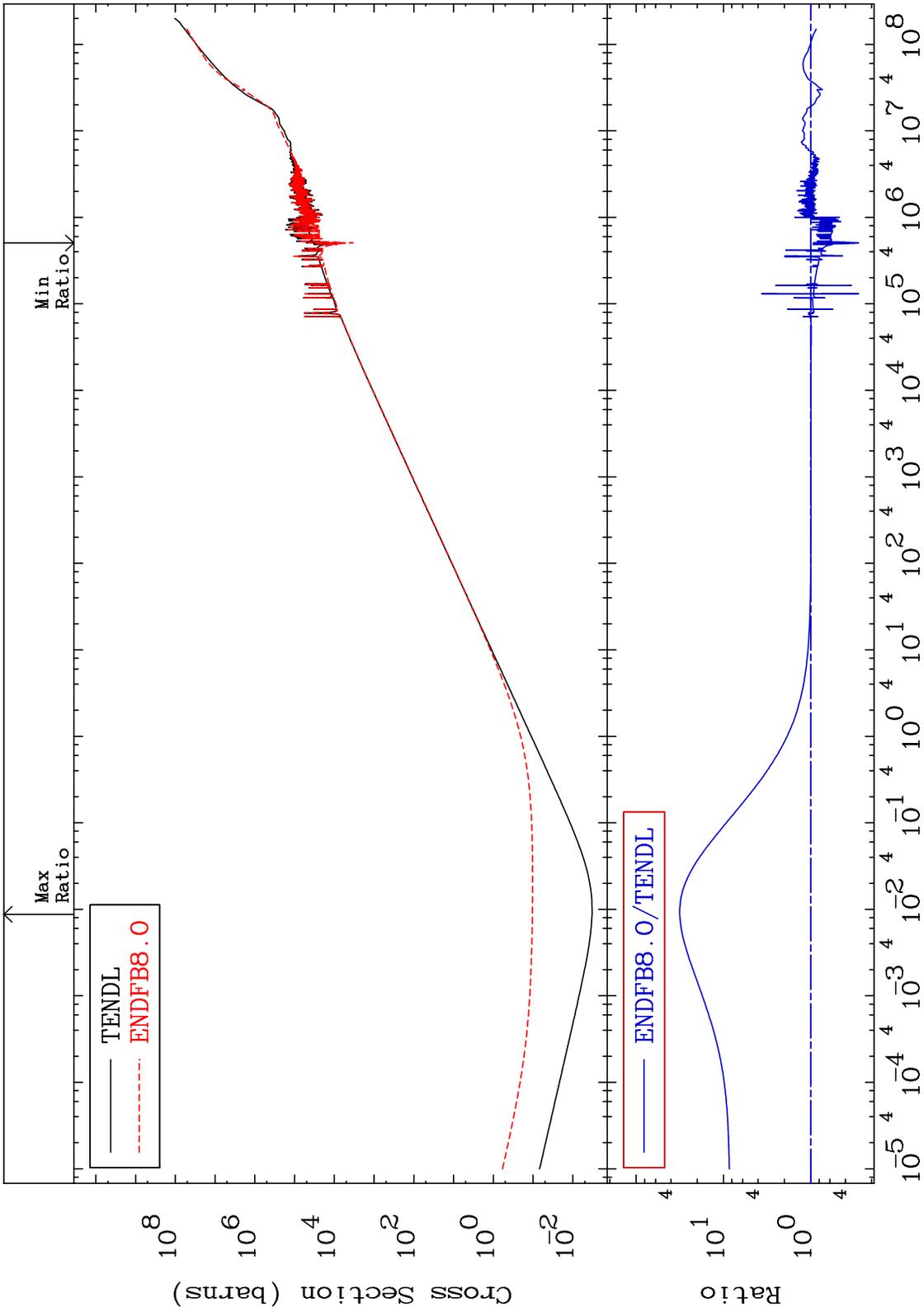
MAT 8237

Total photon (eV-barns)
Cross Section

82-Pb-208
-99.97 To 9999. %



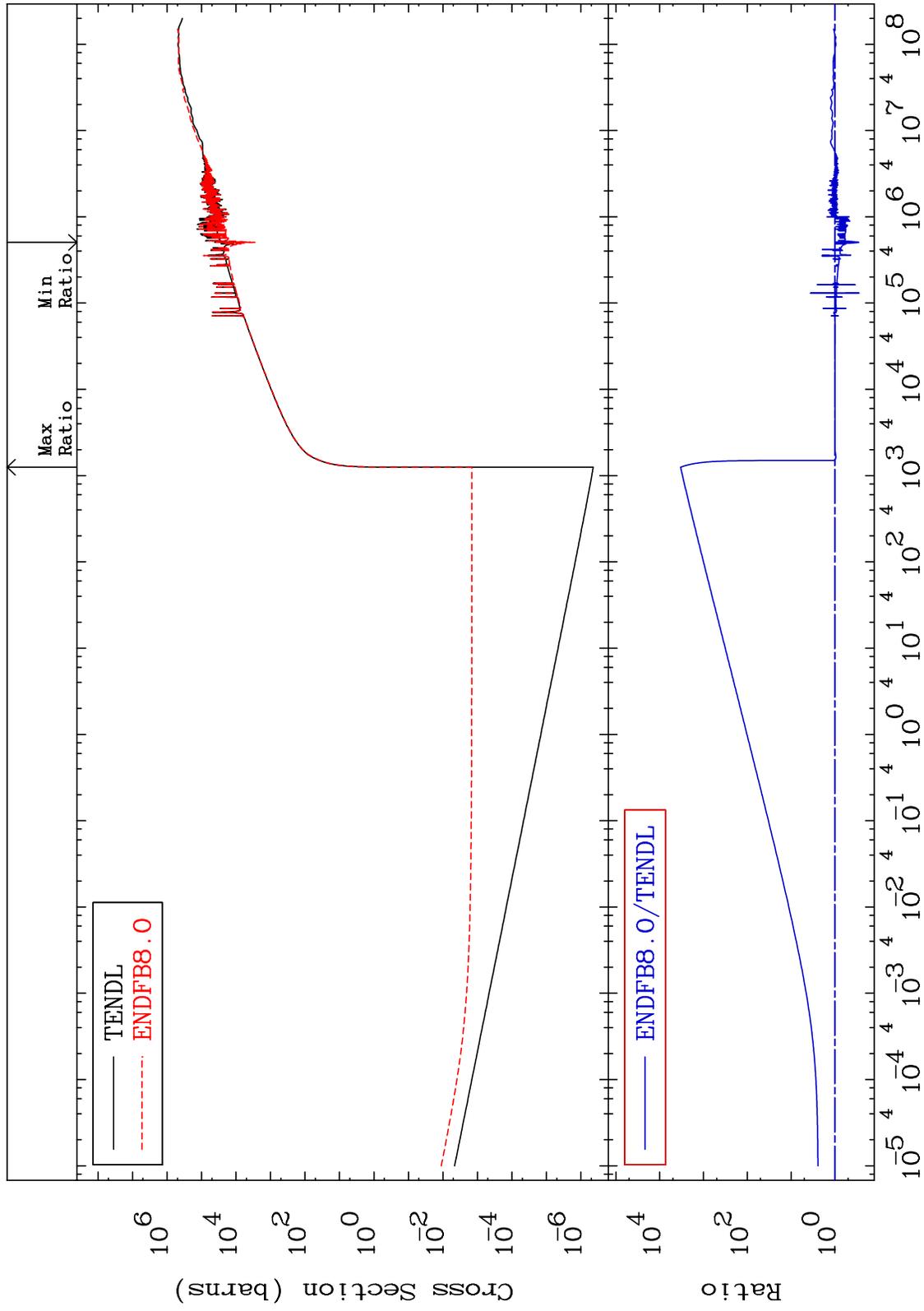
MAT 8237 Total kinematic kerma (high limit) 82-Pb-208
 Cross Section -71.98 To 3064. %



MAT 8237

Dpa total (eV-barns)
Cross Section

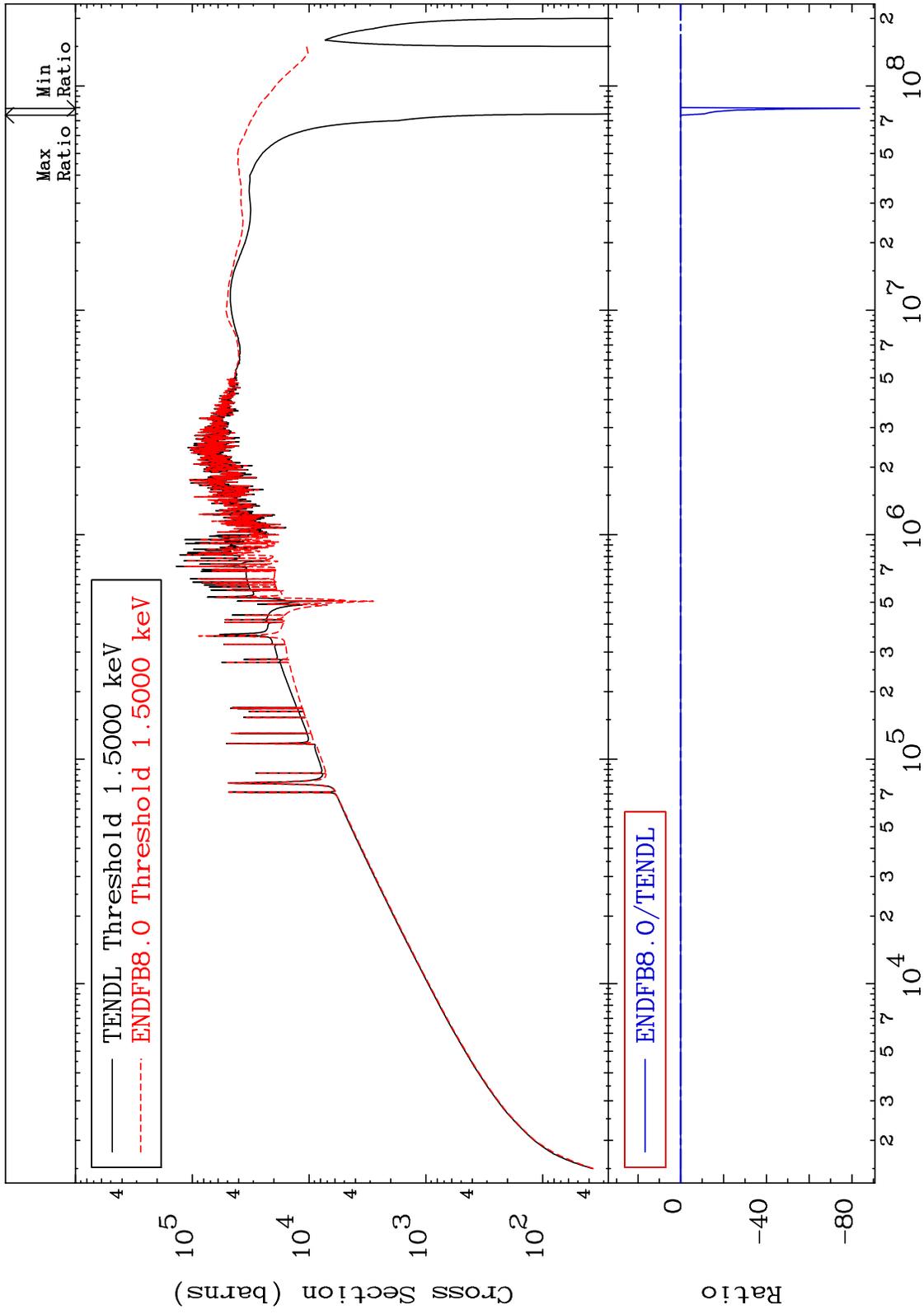
82-Pb-208
-71.99 To 9999. %



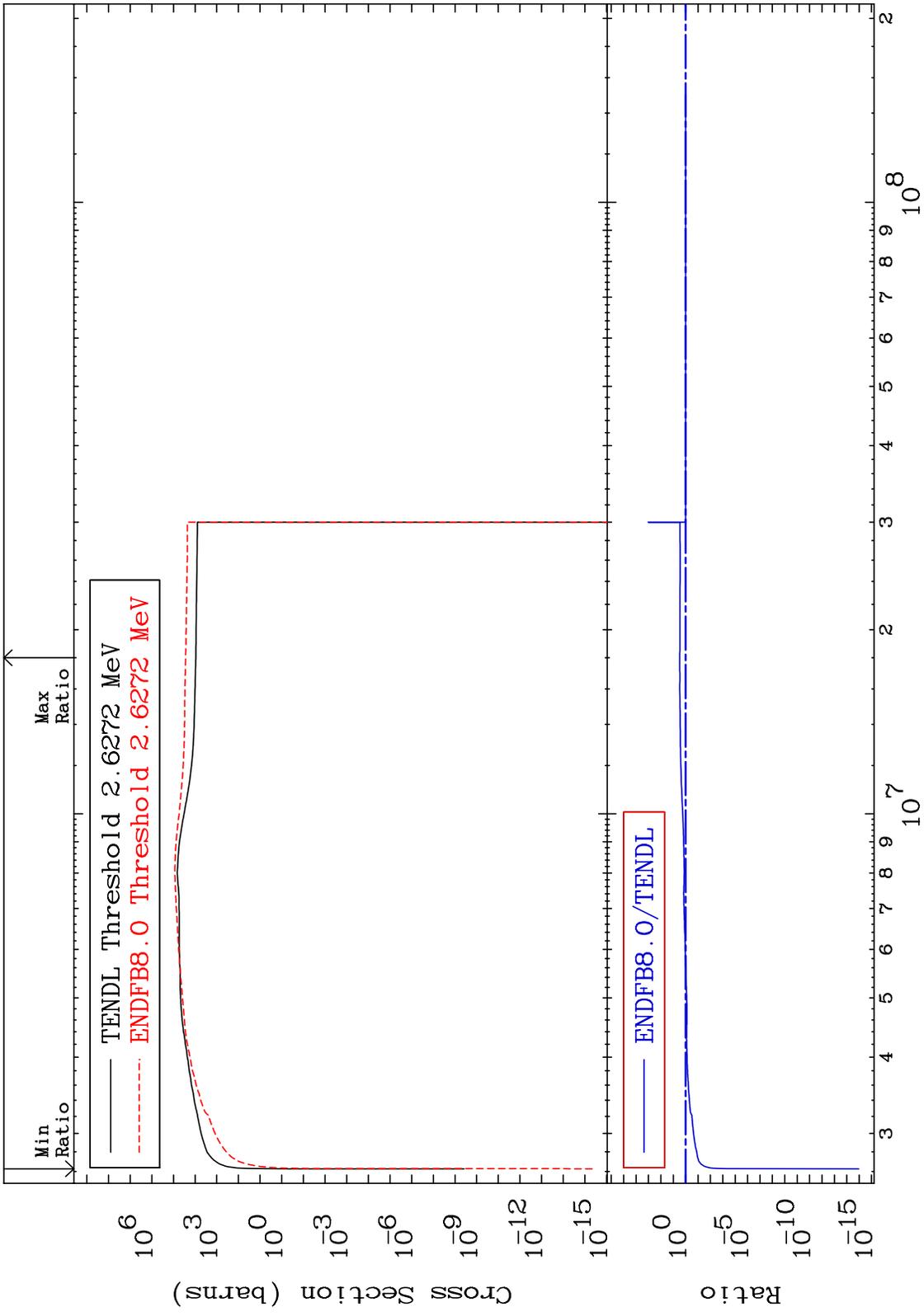
MAT 8237

Dpa elastic (mt2)
Cross Section

82-Pb-208
-9999. To 8462. %



MAT 8237 Dpa inelastic (mt51-91) 82-Pb-208
 Cross Section -100.0 To 197.6 %



MAT 8237

Dpa disappearance (mt102 -120)
Cross Section

82-Pb-208
-97.42 To 9999. %

